

No.	Pub. Year	Citations	File Name	File Size (bytes)
6	1969-1970	892	RADBIB06.TXT	797.533

The search criteria was for radiation or radiological for publication year greater than 1968 and less than 1971.

The document database four character field names and a descriptor for each field are as follows:

ABS	Abstract
ACCD	Accession Date
ADNO	DTIC Number
AUTH	Author(s)
CCDE	Computer Code(s)
CLSS	Classification
CONN	Contract Number
CORP	Corporation
DATE	Report Date
DESC	Descriptor(s)
EFFT	Damage Mechanism
EMPF	Electro Magnetic Pulse File number(s)
HESO	High Explosive Shot(s)
INUM	Item Number
LA	Country or Language
PROJ	Project Number
REPN	Report Number
SHOT	Nuclear Test(s)
SUCE	Device Designation
SUJO	DASIAC Subject number(s)
SYMJ	Published in
SYST	System Affected
TEMP	Document Control number(s)
TITL	Report Title
TNFF	Tactical Nuclear Warfare
TREE	Transient Radiation Effects on Electronics number(s)
TSHO	Shot Type

Defense Threat Reduction Agency Declassification Review: EO 12958	
1st REVIEW DATE: 15 Feb 2000	CLASSIFICATION (Cite Number)
AUTHORITY: <input checked="" type="checkbox"/> ADIC <input type="checkbox"/> ADIC <input type="checkbox"/> ADIC	1. Classification Remains Unchanged
NAME: <i>[Signature]</i>	2. Classification Changed to UNCLASS *
2nd REVIEW DATE: 3 Mar 2000	3. Contains No DTRA Classified Info
AUTHORITY: <input checked="" type="checkbox"/> ADIC <input type="checkbox"/> ADIC <input type="checkbox"/> ADIC	4. Coordinate With:
NAME: <i>[Signature]</i>	5. Exempt From Declassification
	6. Exempt From 1 2 3 4 5 6 7 8 9

PR WITH DEFECTIONS.

Statement A

Approved for public release;

Distribution unlimited. 3 Mar 2000

[Signature]

.folddata

Report Log for Bibliography

Report 'bibliography' scheduled as 'radbib'

Bibliography using full text searching with selection qualification.

STILAS text selection v6.2 started on Monday, June 13, 1994, 10:33 AM

Search will use the KUNI database

Search strings will be read from standard input

The catalog key will be written to standard output

19940613103400 BRS/Search-Engine v.5 started for seltext2

11379 records found for #1: RADIATION OR RADIOLOGICAL

1 searches considered

1 searches selected.

STILAS text selection finished on Monday, June 13, 1994, 10:41 AM

STILAS catalog selection v6.2 started on Monday, June 13, 1994, 10:33 AM

Catalog key will be read from standard input

The catalog key will be written to standard output

The author key will be written to standard output

The title key will be written to standard output

Catalog will be selected if year_of_pub is more than 1966 and less than 1969

11379 catalog record(s) considered

857 catalog record(s) selected.

STILAS catalog selection finished on Monday, June 13, 1994, 10:41 AM

STILAS call number selection v6.2 started on Monday, June 13, 1994, 10:33 AM

Catalog key will be read from standard input

The callnum primary key will be written to standard output

The shelving key will be written to standard output

String from standard input will be written to standard output

Call number will be selected if library is DOCUMENT

857 callnum record(s) considered

857 callnum record(s) selected.

STILAS call number selection finished on Monday, June 13, 1994, 10:41 AM

STILAS item selection v6.2 started on Monday, June 13, 1994, 10:33 AM

Item file will be read by callnum key from standard input

The item primary key will be written to standard output

String from standard input will be written to standard output

857 item record(s) considered

857 item record(s) selected.

STILAS item selection finished on Monday, June 13, 1994, 10:41 AM

Sort: sorting by CALL NUMBER

STILAS item printing v6.2 started on Monday, June 13, 1994, 10:33 AM

Catalog key will be read from standard input

The print will be a catalog level shelflist

The MARC tags will be written to standard output

The call number only will be written to standard output

The item information will be written to standard output

The report title option will be used
857 catalog(s) printed.
0 catacnt(s) printed.
857 call number(s) printed.
857 item(s) printed.
0 itemacnt(s) printed.
STILAS item printing finished on Monday, June 13, 1994, 10:41 AM
.folddata
.report
.title
Bibliography

Produced Monday, June 13, 1994 at 10:33 AM

.end
INUM: 00531
ADNO: 367611
AUTH: PAULE R.C.
CLSS: SRD 1
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
BASE-NM)
DATE: 6705
DESC: NUCLEAR WEAPONS NUCLEAR RADIATION TRANSIENTS DEV-10 ;
THEORY
EXPERIMENTAL
DESC: Nuclear Weapon Effects ordnance bombs mines warheads L1
REPN: AFSWC TN 57 16 ; SWC TN 57 16
SUJO: 3-161-000
TEMP: 23910
TITL: VULNERABILITY OF ATOMIC WARHEADS TO NUCLEAR RADIATION
(U), 9 P (SRD)
TREE: 397
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00531
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copy: 1 id: 37771-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 03158-7
ADNO: 811092L
AUTH: SULLIVAN J.M.
CLSS: U
CCDE: WRECS-II
CONN: DCA 47
CORP: GENERAL ELECTRIC COMPANY/TEMPO (SANTA BARBARA-CA)
DATE: 6702
DESC: Nuclear Weapon Effects Communications Systems MF HF L1
LF
DESC: CODE THEORY
REPN: 65 TMP 1
SUJO: 2-322-200

TITLE: WRECS IIA FORTRAN II CODE FOR COMPUTATION OF WEAPON
RADIATION EFFECTS ON COMMUNICATION SYSTEMS, VOLUME VII LF
PROGRAMS: HALF AND
HALF (U), 372 P (U)

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03158-7
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 05009
ADNO: 645940
AUTH: PENNINGTON R.H.
CLSS: U
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
BASE-NEW MEXICO)
DATE: 6701
DESC: Magnetic Fields Electric Currents in the Upper
Atmosphere Trapped
Radiation Particle Fluxes Space Radiation
DESC: THEORY
REPN: AFWL TR 66 152
SUJO: 5-800-000
TITL: DERIVATIONS OF GEOMAGNETIC SHELL EQUATIONS, TECHNICAL
REPORT,
FEBRUARY 1960 TOMARCH 1961 (U), 36 P (U)

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05009
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copy: 1 id: 40412-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 05058
ADNO: 645929
AUTH: LACETERA J.
CLSS: U
CCDE: NGM
CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD
ARSENAL-MARYLAND)
DATE: 6701
DESC: CODE
DESC: Radiation Transport gamma
DESC: Radiation Transport neutron
REPN: NDL TM 35
SUJO: 9-620-000 ; 9-650-000
TITL: SOURCE-ENERGY INTEGRATION PROGRAM DESIGNED TO OPERATE ON
THE NGM

CODE OUTPUT (U), 81 P (U)
TREE: 960 ; 970
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05058
.endblock
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copy: 1 id: 40444-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 05131
ADNO: 808583
AUTH: MATHERS H.W. ; SEDORE S.R. ; SENTIS J.R.
CLSS: U
CCDE: SCEPTRE
CONN: AF 29 (601) 6852
CORP: INTERNATIONAL BUSINESS MACHINES CORPORATION (OWEGO-NEW
YORK) ; AIR

FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NEW
MEXICO)
DATE: 6702
DESC: Nuclear Weapon Effects electronic subsystems analysis
circuit

network
DESC: CODE
EMPF: 330
REPN: AFWL TR 66 126 (1) ; IBM 66 928 61 (1)
SUJO: 3-219-000
TITL: AUTOMATED DIGITAL COMPUTER PROGRAM FOR DETERMINING
RESPONSES OF
ELECTRONIC CIRCUITS TO TRANSIENT NUCLEAR RADIATION
(SCEPTRE), VOLUME
I, SCEPTRE USERS MANUAL(U), 130 P (U)
TREE: 330

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05131
.endblock
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copy: 1 id: 40489-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 05199
ADNO: 650622
AUTH: ALVARES N.J.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6702
DESC: EXPERIMENTAL
DESC: ignition flammability ablation
REPN: USNRDL TR 67 25

SUJO: 9-730-000
TITL: OXYGEN CONCENTRATION AND PRESSURE EFFECTS ON THE
IGNITION OF CELLULOSIC FUELS BY THERMAL RADIATION (U), 20 P(U)

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05199

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 05213

AUTH: KOSTIGEN T.J. ; MCKEE J.W.

CLSS: U

CCDE: WRECS-II

CONN: DCA 47

CORP: GENERAL ELECTRIC COMPANY/TEMPO (SANTA
BARBARA-CALIFORNIA)

DATE: 6702

DESC: Nuclear Weapon Effects Communications Systems ELF LF

DESC: THEORY CODE

REPN: 65 TMP 1 (7)

SUJO: 2-322-100

TITL: WRECS-II A FORTRAN II CODE FOR COMPUTATION OF WEAPON
RADIATION EFFECTS ON COMMUNICATION SYSTEMS, VOLUME VII, LF
PROGRAMS HALF AND
LALF (U), 372 P (U)

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05213

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 05236

ADNO: 810463

AUTH: GRANNEMANN W.W. ; SOUTHWARD H.D. ; BYATT W.J. ;
BOATWRIGHT L.T. ;
CATES H.T. ; DAVIS G. ; SCHNURR R. ; SHADEL D. ; GORE

R.A.

CLSS: U

CONN: AF 29 (601) 7059

CORP: UNIVERSITY OF NEW MEXICO (ALBUQUERQUE-NEW MEXICO) ; AIR
FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NEW
MEXICO)

DATE: 6701

DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits

DESC: THEORY EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers
 REPN: AFWL TR 66 129
 SUJO: 3-221-000 ; 3-222-000
 SYMJ: KIRTLAND AIR FORCE BASE, NEW MEXICO
 TITL: TRANSIENT RADIATION EFFECTS ON MICROELECTRONICS AND
 SOLID-STATE
 DEVICES, TECHNICAL REPORT, 7 AUGUST 1965 6 OCTOBER 1966
 (U), 186 P
 (U)
 TREE: 310 ; 320
 .block
 05236
 .endblock
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 copy: 1 id: 40573-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 05246
 ADNO: 809187
 AUTH: MATHERS H.W. ; SEDORE S.R. ; SENTS J.R.
 CLSS: U
 CCDE: SCEPTRE
 CONN: AF 29 (601) 6852
 CORP: INTERNATIONAL BUSINESS MACHINES CORPORATION (OWEGO-NEW
 YORK) ; AIR
 FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NEW
 MEXICO)
 DATE: 6702
 DESC: THEORY CODE
 DESC: Nuclear Weapon Effects electronic subsystems analysis
 circuit
 network
 EMPF: 330
 REPN: AFWL TR 66 126 (2) ; IBM 66 928 61 (2)
 SUJO: 3-219-000
 TITL: AUTOMATED DIGITAL COMPUTER PROGRAM FOR DETERMINING
 RESPONSES OF
 ELECTRONIC CIRCUITS TO TRANSIENT NUCLEAR RADIATION
 (SCEPTRE), VOLUME
 II, SCEPTRE FORMULATION, PREDICT SUPPORT, TECHNICAL
 REPORT, JUNE
 1965 SEPTEMBER 1966 (U), 90 P (U)
 TREE: 330
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 05246
 .endblock
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 copy: 1 id: 40579-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 05261
ADNO: 379461L
AUTH: BERGER A.G. ; KIMBLE S.G. ; NAUMANN W.J. ; FROLICH A.J.
; MESSENGER
G.C. ; PARKER W.D. ; PRETZER D.D.
CLSS: SRD-1
CONN: DA 36 039 SC 90738 (E)
CORP: NORTHROP/NORTRONICS (NEWBURY PARK, CALIFORNIA) ;
ARMY/ELECTRONICS
COMMAND (FORT MONMOUTH, NEW JERSEY)
DATE: 6702
DESC: Simulation Facilities Techniques EMP
DESC: Nuclear Weapon Effects Communications Systems C4
hardware radio
microwave systems
DESC: Nuclear Weapon Effects electronic subsystems recorders
amplifiers
DESC: Nuclear Weapon Effects electronic subsystems analysis
circuit
network
DESC: Simulation Facilities Techniques nuclear radiation
reactors isotopic
sources
DESC: EXPERIMENTAL
EMPF: 323 ; 430
REPN: ECOM 90738 13 ; ARD 66 72 R ; EC RD 55229 66
TSHO: SURFACE
SUJO: 3-132-000 ; 3-213-000 ; 3-219-000 ; 4-241-000 ;
4-271-000
SYST: AN/VRC-12 RADIO
TEMP: 53203
TITL: EQUIPMENT DESIGN PRACTICES AND TECHNIQUES FOR THE
NUCLEAR RADIATION
ENVIRONMENT, FINAL REPORT, MAY 1966 TO NOVEMBER 1966
(U), 240 P
(SRD)
TREE: 420
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05261
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copy: 1 id: 40589-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 05274
AUTH: GAMBILL B. JR.
CLSS: U
CCDE: WRECS-II
CONN: DCA 47
CORP: GENERAL ELECTRIC COMPANY/TEMPO (SANTA

BARBARA-CALIFORNIA)

DATE: 6702
DESC: Nuclear Weapon Effects Communications Systems MF HF
DESC: CODE
REPN: 65 TMP 1 (8)
TSHO: HI-ALT ; MULTIPLE
SUJO: 2-322-200
TITL: WRECS-II--A FORTRAN II CODE FOR COMPUTATION OF WEAPON
RADIATION
EFFECTS ON COMMUNICATION SYSTEMS, VOLUME VIII, HF HIALT,
FINAL
REPORT (U), 169 P (U)

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05274

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 05280
ADNO: 812 214L
AUTH: SCHULMAN E.L. ; POLLOCK E.O. ; MORIARITY T.M. ; SCHMOKE
M.A. ;

SCHUMCHYK M.J.

CLSS: U

CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD
ARSENAL-MARYLAND)

DATE: 6704
DESC: Simulation Facilities Techniques nuclear radiation
fallout

simulation

DESC: Nuclear Weapon Effects on animals ionizing radiation
DESC: EXPERIMENTAL
REPN: NDL TR 88
SUJO: 3-312-000 ; 4-242-000
TITL: EVALUATION OF INTERNAL RADIAC DETECTOR POSITIONS FOR
M116 AMPHIBIOUS
CARGO CARRIER, M114 RECONNAISSANCE AND COMMAND VEHICLE,
M108
SELF-PROPELLED HOWITZER, M88 RECOVERY VEHICLE (U), 57 P
(U)

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05280

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copy: 1 id: 40598-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 05323
ADNO: 814411

AUTH: DOAN L.R.
 CLSS: U
 CCDE: ZZ
 CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
 BASE-NEW MEXICO)
 DATE: 6705
 DESC: Nuclear Weapon Phenomenology Atmospheric Ionization
 Chemistry
 general descriptions
 DESC: THEORY CODE
 REPN: AFWL TR 66 18
 SUJO: 2-311-000
 TITL: IMPROVED MODEL FOR IONIZATION PRODUCED BY DELAYED GAMMA
 RADIATION
 FROM AN ATMOSPHERIC NUCLEAR EXPLOSION (U), 49 P (U)
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 copy: 1 id: 40615-1001 library: DOCUMENT price: \$.00
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 05325
 AUTH: BOOK P.S. ; FRIES R.C.
 CLSS: U
 CONN: DA 6505
 CORP: GENERAL ELECTRIC COMPANY/SPECIAL INFORMATION PRODUCTS
 DEPARTMENT
 (SYRACUSE-NEWYORK)
 DATE: 6702
 DESC: Nuclear Weapon Effects electronic subsystems analysis
 circuit
 network
 DESC: TABULAR
 REPN: R 67 SIPD 8
 SUJO: 3-219-000
 TITL: TECHNIQUES FOR ANALYZING RADIATION EFFECTS (U), 18 P (U)
 TREE: 330
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 05325
 .endblock
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 copy: 1 id: 40617-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 05339
 AUTH: SCHUERT E.A.
 CLSS: SRD
 CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)
 DATE: 6812

REPN: NRDL TR 67 28 ; DASA 1240 1 (2)
TEMP: 53697
TITL: DISTRIBUTION OF THE RADIOACTIVE DEBRIS AND ASSOCIATED
NUCLEAR RADIATION FROM UNDERWATER NUCLEAR EXPLOSIONS (U), 71 P.,
(SRD)
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05339
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copy: 1 id: 40625-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 05362
ADNO: 378946
AUTH: SALMON W.A. ; HOOK E.O. ; OBERMAYER A.S. ; MAGEE M.F.
CLSS: SRD
CONN: AF 29 (601) 6752
CORP: MOLECULON RESEARCH CORPORATION (CAMBRIDGE-MASSACHUSETTS)
; AIR

FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NEW
MEXICO)
DATE: 6701
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects materials plastics resins
DESC: test instruments nuclear radiation dosimeters radiacs
REPN: AFWL TR 66 97
SHOT: GUMDROP
TSHO: UG-CONTAINED ; HI-ALT
SUJO: 3-244-000 ; 4-346-000
TEMP: 53758
TITL: POLYMER DEGRADATION EXPERIMENTS IN GUM DROP (U), 90

(SRD)
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05362
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copy: 1 id: 40640-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 05365
AUTH: MCMASTER W.H. ; KERRDELGRANDE N. ; MALLET J.H. ;
SCOFIELD N.E. ;
CAHILL R. ; HUBBELL J.H.

CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA) ;
NAVY/NAVAL
RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA) ; AIR
FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NEW

MEXICO) ;
 NATIONAL BUREAU OF STANDARDS (WASHINGTON-D.C.)
 DATE: 6701
 DESC: Cross Sections x-ray
 DESC: Cross Sections gamma
 DESC: TABULAR
 REPN: UCRL 50174
 SUJO: 9-830-000 ; 9-840-000
 SYMJ: WASHINGTON, D.C.
 TITL: COMPILATION OF X-RAY CROSS SECTIONS, SECTION II (U), 290
 P (U)
 TREE: 413
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 05365
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 copy: 1 id: 40643-1001 library: DOCUMENT price: \$.00
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 05371
 ADNO: 808797
 AUTH: WIKNER E.G. ; NICHOLS D.K. ; NABER J. ; FLANAGAN T.M. ;
 HORIYE H. ;
 VAN LINT V.A.J.
 CLSS: U
 CONN: DA 49 186 AMC 65 (X)
 CORP: GD/GENERAL ATOMIC DIVISION (SAN DIEGO-CALIFORNIA) ;
 ARMY/HARRY
 DIAMOND LABORATORIES (WASHINGTON-D.C.)
 DATE: 6702
 DESC: Nuclear Weapon Effects electronic pieceparts materials
 basic
 mechanisms L1
 DESC: test instruments electronic vulnerability EMP
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers
 DESC: THEORY EXPERIMENTAL
 REPN: DA 49 186 AMC 65 (X) 1 ; GA 7607
 SUJO: 3-220-200 ; 3-221-000 ; 4-371-000
 TITL: TRANSIENT RADIATION EFFECTS, FINAL REPORT (U) 201 P (U)
 TREE: 310
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 05371
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 copy: 1 id: 40648-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock
 INUM: 05373

ADNO: 814668L
 AUTH: SCHULMAN E.L. ; POLLOCK E.O. ; SCHUMCHYK M.J. ; SCHMOKE M.A.
 CLSS: OUO
 CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD ARSENAL-MARYLAND)
 DATE: 6704
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 DESC: EXPERIMENTAL
 REPN: NDL TR 90
 SUJO: 3-312-000
 TITL: FALLOUT SHIELDING CHARACTERISTICS OF COMPAT VEHICLES, M109
 SELF-PROPELLED HOWITZER, M107 SELF-PROPELLED GUN, M577
 COMMAND POST
 CARRIER, XM104 SELF-PROPELLEDHOWITZER (U), 33 P (OUO)
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 copy: 1 id: 40650-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 05380
 ADNO: 653965
 AUTH: BRODE H.L. ; ASANO W. ; PLEMMONS M. ; SCATLIN L. ; STEVENSON A.
 CLSS: U
 CCDE: HAROLD 1
 CONN: F 44620 67 C 0045
 CORP: RAND CORPORATION (SANTA MONICA-CALIFORNIA)
 DATE: 6704
 DESC: CODE THEORY
 DESC: Nuclear Weapon Phenomenology Fireball Internal Pressure
 Temperature
 Density Particle Velocities
 DESC: Fluid Mechanics hydrodynamics
 DESC: Nuclear Weapon Phenomenology Fireball Energy Partition
 Energy
 Coupling
 DESC: Plasma Physics MHD fusion
 REPN: RM 5187 PR
 SUJO: 2-130-000 ; 2-150-000 ; 9-410-000 ; 9-500-000
 TITL: PROGRAM FOR CALCULATING RADIATION FLOW AND HYDRODYNAMIC
 MOTION (U),
 401 P (U)
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 copy: 1 id: 40656-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 05392
ADNO: 815185
AUTH: ALEXANDER J.H. ; DISMUKES C.R. ; DURSTENFELD R. ;
ENGELMORE R.S. ;
FREEMAN B.E. ; LINDLEY W.B. ; PALMER J.T. ; PYATT K.D.
; REED L.L. ;
SCHALIT L.M. ; TRIPLETT J.R.
CLSS: U
CCDE: TDRAD ; TRAN2 ; ERADTN ; PRADTN
CONN: AF 29 (601) 7035
CORP: GD/GENERAL ATOMIC DIVISION (SAN DIEGO-CALIFORNIA) ; AIR
FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NEW

MEXICO)

DATE: 6705
DESC: Radiation Transport x-ray
DESC: Radiation Transport gamma
DESC: THEORY CODE
REPN: AFWL TR 66 108 (1) ; GA 7370
SUJO: 9-620-000 ; 9-640-000
TITL: NUCLEAR EXPLOSION INTERACTION STUDIES, VOLUME 1, METHODS
FOR
ANALYSIS OF RADIATIVE TRANSFER, FINAL REPORT (U), 146 P

(U)

TREE: 980

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05392

.endblock

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copy: 1 id: 40664-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 05393
ADNO: 815529
AUTH: VAN LINT V.A.J. ; ALEXANDER J.H. ; BURKHART D.J. ;
NICHOLS D.K. ;
WARD P.R.

CLSS: U
CCDE: PND4
CONN: AF 29 (601) 7048
CORP: GD/GENERAL ATOMIC DIVISION (SAN DIEGO-CALIFORNIA) ; AIR
FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NEW

MEXICO)

DATE: 6705
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers
DESC: CODE THEORY EXPERIMENTAL
DESC: Simulation Facilities Techniques TREE
DESC: test instruments nuclear radiation dosimeters radiacs

REP: AFWL TR 67 20 ; GA 7651
SUJO: 3-221-000 ; 4-272-000 ; 4-346-000
TITL: SHORT-PULSED GAMMA-RADIATION EFFECTS ON DYNAMIC
ELECTRONIC

COMPONENTS (U), 212P (U)
TREE: 310

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05393
.endblock
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copy: 1 id: 40665-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 05457
ADNO: 814077
AUTH: MAROTTA C.R.
CLSS: U
CONN: AF 29 (601) 7249
CORP: UNION CARBIDE CORPORATION (TARRYTOWN-NEW YORK) ; AIR
FORCE/WEAPONS

LABORATORY (KIRTLAND AIR FORCE BASE-NEW MEXICO)

DATE: 6705
DESC: Cross Sections x-ray
DESC: Radiation Transport gamma
DESC: TABULAR
DESC: Radiation Transport x-ray
DESC: Cross Sections gamma

REP: AFWL TR 67 11
SUJO: 9-620-000 ; 9-640-000 ; 9-830-000 ; 9-840-000
TITL: UPDATED MASTER LIBRARY TAPE FOR PHOTRAN (U), 326 P (U)
TREE: 960 ; 980

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05457
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 05458
AUTH: COLLINS D.G. ; CUNNINGHAM K. ; WELLS M.B.
CLSS: U
CONN: DA 28 043 AMC 00240 (E)
CORP: RADIATION RESEARCH ASSOCIATES INCORPORATED (FORT
WORTH-TEXAS) ;

ARMY/ELECTRONICS COMMAND (FORT MONMOUTH-NEW JERSEY)

DATE: 6702
DESC: THEORY TABULAR
DESC: Radiation Transport IR
DESC: Absorption Spectrum Transmission Opacity of Natural
Heated Air

DESC: Radiation Transport visible
REPN: RRA T 74 ; ECOM 00240 2
SUJO: 5-200-000 ; 9-630-000 ; 9-670-000
TITL: MONTE CARLO STUDIES OF LIGHT TRANSPORT, INTERIM REPORT
(U), 65 P (U)

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05458

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copy: 1 id: 40712-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 05460

ADNO: 508949

AUTH: ARCHER D.H. ; GRIESINGER D.W. ; HEBNER C.

CLSS: SRD

CORP: GENERAL ELECTRIC COMPANY/TEMPO (SANTA
BARBARA-CALIFORNIA)

DATE: 6702

DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise
Rates

DESC: Nuclear Weapon Environment Infrared Output rate

DESC: EXPERIMENTAL THEORY

DESC: Nuclear Weapon Phenomenology High-Altitude debris
coupling

distribution energy spectrum

DESC: Nuclear Weapon Phenomenology High-Altitude induced
airglow

fluorescence

DESC: Nuclear Weapon Environment Infrared Output energy
spectrum

REPN: 67 TMP 7

SHOT: TEAK ; ORANGE ; BLUEGILL ; KINGFISH ; CHECKMATE ;
STARFISH

TSHO: HI-ALT

SUJO: 1-320-000 ; 1-340-000 ; 2-110-000 ; 2-210-000 ;
2-214-000

TEMP: 53144

TITL: INFRARED RADIATION INDUCED BY ATMOSPHERIC NUCLEAR
DETONATION (U), 92
P (SRD)

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05460

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copy: 1 id: 40714-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 05612

ADNO: 810453L

AUTH: LONG D.M.
CLSS: U
CONN: DA 28 043 AMC 01520 (E)
CORP: MARTIN COMPANY (BALTIMORE-MARYLAND)
DATE: 6703
DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits
DESC: EXPERIMENTAL
REPN: ECOM 01520 ; MND 3264 6
SUJO: 3-222-000
TITL: RADIATION EFFECTS ON INSULATED GATE FIELD EFFECT (MOS)
INTEGRATED

CIRCUITS (U), 16 P (U)

TREE: 320 ; 325

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05612

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copy: 1 id: 40750-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 05616

ADNO: 665150

AUTH: HUEBSCH I.O.

CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)

DATE: 6705

DESC: Nuclear Weapon Environment Fallout Formation mechanics

DESC: THEORY

DESC: Nuclear Weapon Phenomenology cloud development rise

REPN: USNRDL TR 67 49 ; AD 665150

SUJO: 2-221-000 ; 2-224-100

TITL: RELATIVE MOTION AND COAGULATION OF PARTICLES IN A
TURBULENT GAS (U),
113 P (U)

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05616

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copy: 1 id: 40752-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 05617

AUTH: GONZALEZ V.H.

CLSS: S

CONN: DA 49 146 XZ 184

CORP: STANFORD RESEARCH INSTITUTE (MENLO PARK-CALIFORNIA)

DATE: 6706

DESC: Nuclear Weapon Information

DESC: nuclear test detection trapped radiation
DESC: Nuclear Weapon Phenomenology High-Altitude debris
coupling distribution energy spectrum
DESC: nuclear test detection atmospheric ionization detection
RF emission RF propagation disturbances
DESC: EXPERIMENTAL
REPN: SRI 4417 ; SRI SR 8
SHOT: RUSSIAN (62-10-22) ; RUSSIAN (62-10-28) ; RUSSIAN
(62-11-01)
TSHO: HI-ALT
SUJO: 2-211-000 ; 4-830-000 ; 4-910-700 ; 4-913-000
TEMP: 53922
TITL: PRELIMINARY DETERMINATION OF COORDINATES OF THE 1962
SOVIET HIGH-ALTITUDE TESTS, FINAL REPORT (U) 91 P (S)

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05617

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copy: 1 id: 40753-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 05641
ADNO: 816176
AUTH: MOBLEY T.S. ; WALKER W.J. ; BOER JELLE DE
CLSS: U
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
BASE-NEW MEXICO)
DATE: 6706
DESC: Nuclear Weapon Effects on animals ionizing radiation
DESC: EXPERIMENTAL
REPN: AFWL TR 65 199 ; AD 816176
SUJO: 3-312-000
TITL: LETHAL DOSE STUDIES ON SHEEP EXPOSED TO PULSED FISSION
SPECTRUM RADIATION (PFSR) (U), 26 P (U)

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05641

.endblock

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copy: 1 id: 40759-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 05706
ADNO: 379812L
AUTH: SHNIDER R.W.
CLSS: SRD
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN

FRANCISCO-CALIFORNIA)
DATE: 6701
DESC: SUMMARY TABULAR
DESC: Nuclear Weapon Environment Initial Gamma source strength
total
intensity
REPN: USNRDL TR 67 6
SHOT: KOON ; NECTAR ; LACROSSE ; ZUNI ; FLATHEAD ; DAKOTA ;
NAVAJO ; TEWA
; SMALLBOY
TSHO: SURFACE ; WATER-SURFACE ; LOW-ALT
SUJO: 1-710-000
TEMP: 55012 ; B7735
TITL: SEMI-EMPIRICAL MODEL FOR PREDICTING INITIAL GAMMA
EXPOSURES FROM

SURFACE NUCLEAR BURSTS (U), 35 P (SRD)
TREE: 910

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05706

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copy: 1 id: 40774-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 05720

ABS: In this report the EM environment produced by EM
radiators is

documented and the electromagnetic compatibility with
electro-explosive devices and operation personnel is
evaluated.

AUTH: CRIGLER A.B. JR. ; CHEROT T.E. JR.

CLSS: C

CORP: JOINT TASK FORCE EIGHT/PMR FREQUENCY MANAGEMENT GROUP
(POINT

MUGU-CALIFORNIA)

DATE: 6708

DESC: Nuclear weapon safety EM pickup EMR RF hazards

DESC: Nuclear Weapon Test communications

DESC: JOHNSTON I

SUJO: 4-838-400 ; 4-855-200

TEMP: B8536

TITL: ELECTROMAGNETIC RADIATION HAZARDS STUDY, OPERATION
PADDLEWHEEL (U),
69 P (C)

TNFF: 8850

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05720

.endblock

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copy: 1 id: 40787-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 05727
ADNO: 379964
AUTH: MILLER G.E. ; WILSON N.L. ; MCCAULEY B.O.
CLSS: C
CONN: DA 20 113 AMC 04666 (T)
CORP: GD/FORT WORTH DIVISION (FORT WORTH-TEXAS)
DATE: 6703
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects land transport armored vehicles
REPN: FZK 299 3
SUJO: 3-151-000
TEMP: 55110
TITL: UNITED STATES/FEDERAL REPUBLIC OF GERMANY JOINT MAIN
BATTLE TANK
RADIOLOGICAL ARMOR PROGRAM, EXPERIMENTAL CONFIRMATION OF
RADIOLOGICAL ARMOR DESIGN THEORY, VOL 3. PHASE 11
POSTANALYSIS,
FINAL REPORT (U), 76 P (S)

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05727

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 05731
ADNO: 814690
AUTH: TOKSOZ M.N. ; CLERMONT K.
CLSS: U
CORP: TELEDYNE INCORPORATED (ALEXANDRIA-VIRGINIA)
DATE: 6705
DESC: EXPERIMENTAL
DESC: nuclear test detection seismic detection
REPN: R 183
SHOT: BILBY
TSHO: UG-CONTAINED
SUJO: 4-910-100
TITL: RADIATION OF SEISMIC WAVES FROM THE BILBY EXPLOSION (U),
17 P (U)

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05731

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copy: 1 id: 40795-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 05742
AUTH: WARE W.E. ; DONALDSON M.E.

CLSS: SRD
 CONN: N00014 66 C 0357
 CORP: KAMAN NUCLEAR (COLORADO SPRINGS-COLORADO)
 DATE: 6704
 DESC: THEORY
 DESC: Radiation Transport gamma
 DESC: Radiation Transport x-ray
 DESC: Cross Sections x-ray
 REPN: KN 718 67 5 (R) ; KN 11013
 SUJO: 9-620-000 ; 9-640-000 ; 9-840-000
 TEMP: 55053
 TITL: EFFECTS OF ELECTRON BINDING OF MONTE CARLO AIR TRANSPORT
 CALCULATIONS (U), 15 P (SRD)
 TREE: 980
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 05742
 .endblock
 .block
 copy: 1 id: 40807-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 05749
 ADNO: 812835
 CLSS: U
 CONN: DA 28 017 AMC 2173 (A)
 CORP: VITRO LABORATORIES (WEST ORANGE-NEW JERSEY)
 DATE: 6703
 DESC: test instruments test hardware pressure stress
 DESC: Simulation Facilities Techniques nuclear radiation
 reactors isotopic
 sources L1
 DESC: Simulation Facilities Techniques EM propagation
 atmospheric
 chemistry high-altitude phenomenolgy
 REPN: VL 2399 4 0
 SUJO: 4-220-000 ; 4-241-000 ; 4-311-000
 TITL: ION DEBRIS SIMULATION, FINAL REPORT (U), 36 P (U)
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 05749
 .endblock
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 copy: 1 id: 40812-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 05754
 ADNO: 818852
 AUTH: DOAN L.R.
 CLSS: U
 CCDE: GEMIMA
 CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE

BASE-NEW MEXICO)
 DATE: 6708
 DESC: Nuclear Weapon Phenomenology Atmospheric Ionization
 Chemistry
 general descriptions
 DESC: THEORY CODE
 REPN: AFWL TR 67 62
 SUJO: 2-311-000
 TITL: IMPROVED MODEL FOR ATMOSPHERIC IONIZATION DUE TO DELAYED
 BETA
 RADIATION FROM ANUCLEAR EXPLOSION (U), 50 P (U)
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 05754
 .endblock
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 copy: 1 id: 40817-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock
 INUM: 05755
 ADNO: 810449
 AUTH: ALEXANDER T.A.
 CLSS: U
 CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
 FRANCISCO-CALIFORNIA)
 DATE: 6702
 DESC: EXPERIMENTAL
 DESC: Environmental Conditions at Nuclear Weapon Test Site
 weather L1
 PRESSURE TEMPERATURE HUMIDITY WET AND DRY AIR DENSITY
 REPN: USNRDL TR 67 20
 SHOT: TRINITY ; ABLE (XRD) ; SANDSTONE (SERIES) ; RANGER
 (SERIES) ;
 GREENHOUSE (SERIES) ; BUSTER-JANGLE (SERIES) ; TUMBLER
 SNAPPER
 (SERIES) ; IVY (SERIES) ; UPSHOT KNOTHOLE (SERIES) ;
 CASTLE (SERIES)
 ; TEAPOT (SERIES) ; REDWING (SERIES) ; PLUMBBOB (SERIES)
 ; HARDTACK
 1 (SERIES) ; HARDTACK (SERIES) ; SUNBEAM (SERIES)
 SUJO: 4-841-000
 TITL: AIR DENSITIES FOR ATMOSPHERIC NUCLEAR TESTS AND COLUMNAR
 AIR MASS
 DATA (U), 32P (U)
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 05755
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 copy: 1 id: 40818-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

INUM: 05757
ADNO: 814780
AUTH: HOFF A.J.
CLSS: U
CORP: MEDICAL BIOLOGICAL LABORATORY (NATIONAL DEFENCE RESEARCH
ORGANIZATION-TNO)
DATE: 6702
DESC: THEORY IN WOG
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic
internal
REPN: MBL 1967 2 ; TDCK 47863
SUJO: 3-312-220
TITL: SIGNIFICANCE OF THE RADIATION DOSE RECEIVED FROM INHALED
RADIOACTIVE
MATTER BYAN AIRCREW ON A FLIGHT THROUGH A FALLOUT
ENVIRONMENT (U), 9
P (U)

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05757

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copy: 1 id: 40820-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 05782
ADNO: 819556
AUTH: BERGER R.L. ; SANDMEIER H.A.
CLSS: U
CCDE: DRF-IV
CORP: NAVY/NAVAL WEAPONS EVALUATION FACILITY (KIRTLAND AIR
FORCE BASE-NEW
MEXICO)
DATE: 6705
DESC: THEORY CODE
DESC: Radiation Transport neutron
REPN: NWEF 1012
SUJO: 9-650-000
TITL: VARIOUS METHODS OF CALCULATING FISSION HEATING IN A
SMALL PLUTONIUM
BALL DUE TO A COLLIMATED INCIDENT NEUTRON BEAM (U), 74

P (U)

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05782

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copy: 1 id: 40839-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 05794

ADNO: 654151
AUTH: SCHUMCHYK M.J. ; SCHMOKE M.A. ; SCHULMAN E.L. ; POLLOCK
E.O.
CLSS: U
CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD
ARSENAL-MARYLAND)
DATE: 6707
DESC: Nuclear Test Simulation Field Programs experiment design
fallout
radioactivity
DESC: Simulation Facilities Techniques nuclear radiation
fallout
simulation
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt
DESC: EXPERIMENTAL
REPN: NDL TR 69
SUJO: 3-312-100 ; 4-242-000 ; 4-821-000
TITL: SCATTERED RADIATION (SKYSHINE) CONTRIBUTION TO A
CONCRETE-COVERED
BASEMENT LOCATED IN A SIMULATED FALLOUT FIELD, FINAL
REPORT (U), 84
P (U)

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05794

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copy: 1 id: 40856-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 05813

ADNO: 654503

AUTH: HAMPTON W.C.

CLSS: U

CCDE: NGM

CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD
ARSENAL-MARYLAND)

DATE: 6706

DESC: Radiation Transport neutron

DESC: CODE

DESC: Radiation Transport gamma

REPN: NDL TM 37

SUJO: 9-620-000 ; 9-650-000

TITL: DETECTOR ANGLE INTEGRATION PROGRAM DESIGNED TO OPERATE
ON THE NGM

CODE OUTPUT (U), 30 P (U)

TREE: 960 ; 970

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05813

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copy: 1 id: 40862-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 05821
AUTH: TAMPLIN A.R.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
DATE: 6701
DESC: Nuclear Weapon Environment radiation decay
DESC: Nuclear Weapon Environment fallout fractionation
DESC: Nuclear Weapon Environment fallout Deposition
DESC: SUMMARY
REPN: TID 4500 ; UC 48 ; UCRL 50163 P 1
SHOT: HOW ; ANNIE ; NANCY ; RUTH ; BADGER ; SIMON ; ENCORE ;
HARRY ; WASP
; TESLA ; TURK ; HORNET ; BEE ; APPLE-1 ; WASP PRIME ;
POST ; MET ;
APPLE-2 ; ZUCCHINI
TSHO: LOW-ALT
SUJO: 2-223-400 ; 2-223-500 ; 2-225-000
TITL: PREDICTION OF THE MAXIMUM DOSAGE TO MAN FROM THE FALLOUT
OF NUCLEAR
DEVICES, I. ESTIMATION OF THE MAXIMUM CONTAMINATION OF
AGRICULTURAL
LAND (U), 26 P (U)

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05821

.endblock

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copy: 1 id: 40870-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 05836
ADNO: 382426
AUTH: OVERMYER R.F.
CLSS: S
CONN: DA 28 043 AMC 02446 (E)
CORP: GD/GENERAL ATOMIC DIVISION (SAN DIEGO-CALIFORNIA)
DATE: 6707
DESC: EXPERIMENTAL SUMMARY
DESC: Nuclear Weapon Effects materials ceramics optical
DESC: Nuclear Weapon Effects materials plastics resins
REPN: ECON 02446 (2) S ; GA 7931 S
SUJO: 3-241-000 ; 3-244-000
TEMP: 55349
TITL: RADIATION EFFECTS IN DIELECTRIC MATERIALS (U), 6 P (S)

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05836

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copy: 1 id: 40884-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 05841
ADNO: 820556
AUTH: MCELROY W.N. ; BERG S. ; CROCKETT T. ; HAWKINS R.G.
CLSS: U
CONN: AF 29 (601) 7196 ; AF 29 (601) 6780
CORP: ATOMICS INTERNATIONAL (CANOGA PARK-CALIFORNIA)
DATE: 6709
DESC: EXPERIMENTAL THEORY
DESC: test instruments nuclear radiation neutron
REPN: AFWL TR 67 41 1 ; AI 67 90 1
SUJO: 4-342-000
TITL: COMPUTER-AUTOMATED ITERATIVE METHOD FOR NEUTRON FLUX
SPECTRA

DETERMINATION BY FOIL ACTIVATION, VOLUME 1, STUDY OF THE
ITERATIVE
METHOD (U), 122 P (U)
TREE: 652

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05841
.endblock
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copy: 1 id: 40887-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 05845
ADNO: 652874
AUTH: STARBIRD A.W. ; BATTER J.F.
CLSS: U
CONN: OCD PS 65 67
CORP: FLOW CORPORATION/CONESCO DIVISION
(WATERTOWN-MASSACHUSETTS)
DATE: 6703
DESC: Nuclear Weapon Effects on animals ionizing radiation
DESC: THEORY EXPERIMENTAL
DESC: Cross Sections gamma
REPN: 4848 2
SUJO: 3-312-000 ; 9-830-000
TITL: PREPARATION OF SIMPLIFIED MANUALS FOR SHIELDING
ANALYSIS. SUPPLEMENT
1, IN ANDDOWN, SCATTERING AND FINITE FIELDS OF
CONTAMINATION, FINAL
REPORT (U), 78 P (U)

TREE: 411
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05845
.endblock
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copy: 1 id: 40890-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 05852
ADNO: 652873
AUTH: BATTER J.F. ; STARBIRD A.W.
CLSS: U
CONN: OCDPS 65 67
CORP: FLOW CORPORATION/CONESCO DIVISION
(WATERTOWN-MASSACHUSETTS)
DATE: 6703
DESC: EXPERIMENTAL THEORY
DESC: Cross Sections gamma
DESC: Nuclear Weapon Effects on animals ionizing radiation
REPN: 4848 1
SUJO: 3-312-000 ; 9-830-000
TITL: PREPARATION OF SIMPLIFIED MANUALS FOR SHIELDING ANALYSIS
(U), 111 P

(U)
TREE: 411

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05852

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copy: 1 id: 40896-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 05861
ADNO: 815586
AUTH: SWANSON F.R.
CLSS: U
CORP: GRUMMAN AIRCRAFT ENGINEERING CORPORATION (BETHPAGE-NEW YORK)
DATE: 6706
DESC: test instruments nuclear radiation neutron
REPN: RM 364
SUJO: 4-342-000
TITL: NEUTRON DETECTION IN ORGANIC SCINTILLATORS USING PULSE
SHAPE

DISCRIMINATION (U), 12 P (U)
TREE: 652

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05861

.endblock

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copy: 1 id: 40903-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 05863

ADNO: 380451L
AUTH: HUEBSCH I.O.
CLSS: SRD
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6704
DESC: TABULAR
REPN: USNRDL TR 67 33
TSHO: LOW-ALT
TEMP: 55378
TITL: FALLOUT PREDICTIONS FOR A MEGATON NUCLEAR BURST OVER ICE
(U), 57 P
(SRD)

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05863
.endblock

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copy: 1 id: 40904-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 05872
ADNO: 820376L
AUTH: KINGSLAND R.H. ; RUSSELL R.L. ; WALKER K.R.
CLSS: U
CCDE: ZZ
CONN: NOW 65 0221 PD
CORP: HUGHES AIRCRAFT COMPANY (FULLERTON-CALIFORNIA)
DATE: 6706
DESC: Nuclear Weapon Effects electronic subsystems recorders
amplifiers
DESC: THEORY EXPERIMENTAL CODE
REPN: FR 67 10 158
SUJO: 3-213-000
TITL: ANALYSIS OF A DC OPERATIONAL AMPLIFIER IN A NUCLEAR
RADIATION
ENVIRONMENT, FINAL REPORT (U), 120 P (U)
TREE: 369

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05872
.endblock

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copy: 1 id: 40911-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 05888
ADNO: 818791
AUTH: GRIFF N. ; KELLY M.J.
CLSS: U
CORP: NAVY/NAVAL APPLIED SCIENCE LABORATORY (BROOKLYN-NEW
YORK)

DATE: 6708
DESC: THEORY
DESC: Nuclear Weapon Effects Communications Systems C4
hardware optical
devices sensors IR detectors
REPN: TR 2
TSHO: LOW-ALT
SUJO: 3-133-000
TITL: VULNERABILITY OF OPTICAL SYSTEMS TO THE THERMAL
RADIATION FROM
NUCLEAR WEAPONSDETONATED IN THE LOWER ATMOSPHERE, A
QUANTITATIVE
APPROACH (U), 20 P (U)

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05888

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copy: 1 id: 40923-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 05890
ADNO: 813540L
AUTH: YOUNG C.A.
CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)

DATE: 6703

DESC: Nuclear Weapon Effects ship systems surface ships L1

DESC: SIMULATION (CO-60) ; THEORY EXPERIMENTAL

DESC: Nuclear Weapon Effects on animals ionizing radiation

DESC: Cross Sections gamma

EFFT: GAMMA

REPN: USNRDL TR 67 29

SHOT: WAHOO ; UMBRELLA

TSHO: UW

SUJO: 3-122-000 ; 3-312-000 ; 9-830-000

TITL: SEMI-EMPIRICAL DETERMINATION OF GAMMA-RAY EXPOSURE
REDUCTION FACTORS
INSIDE A DESTROYER ENVELOPED BY A SIMULATED NUCLEAR
CLOUD (U), 39 P
(U)

TREE: 411

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05890

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copy: 1 id: 40925-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 05891

ADNO: 813897L
 AUTH: PESTANER J.F. ; LOVE D.L.
 CLSS: U
 CONN: AT (49 7) 2886
 CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CALIFORNIA)
 DATE: 6704
 DESC: EXPERIMENTAL
 DESC: Simulation Facilities Techniques nuclear radiation fallout
 simulation
 REPN: USNRDL TR 67 45
 TSHO: UW
 SUJO: 4-242-000
 TITL: PULSED REACTOR SIMULATION OF UNDERWATER NUCLEAR EXPLOSIONS (U), 23 P (U)
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 05891
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 .block
 copy: 1 id: 40926-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock
 INUM: 05902
 ADNO: 653276
 AUTH: BRYAN F.A.JR.
 CLSS: U
 CONN: N 0022866 C 1086
 CORP: RESEARCH TRIANGLE INSTITUTE (RESEARCH TRIANGLE PARK-NORTH CAROLINA)
 DATE: 6705
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 DESC: Cross Sections gamma
 DESC: SUMMARY
 REPN: R OU 266
 SUJO: 3-312-000 ; 9-830-000
 TITL: RADIOLOGICAL RECOVERY REQUIREMENTS, STRUCTURES, AND OPERATIONS
 RESEARCH, FINALREPORT (U), 10 P (U)
 .block
 05902
 .endblock
 .block
 copy: 1 id: 40954-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock
 INUM: 05903
 ADNO: 653274
 AUTH: DOGGET W.O. ; BRYAN F.A.JR.

CLSS: U
 CCDE: CONSTRIIP III
 CONN: N 002866 C 1086
 CORP: RESEARCH TRIANGLE INSTITUTE (RESEARCH TRIANGLE
 PARK-NORTH CAROLINA)
 DATE: 6705
 DESC: Nuclear RDT&E Research Program Descriptions fallout
 nuclear
 radiation transport
 DESC: Cross Sections gamma
 DESC: CODE
 REPN: R OU 266 ; USNRDL TRC 67 2
 SUJO: 4-140-000 ; 9-830-000
 TITL: RADIOLOGICAL RECOVERY REQUIREMENTS, STRUCTURES AND
 OPERATIONS
 RESEARCH, VOLUMEI, CALCULATIONAL TECHNIQUE FOR
 DETERMINING
 IMPORTANCE OF LIMITED STRIP DECONTAMINATION PROCEDURES,
 FINAL REPORT
 (U), 222 P (U)
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 05903
 .endblock
 .block
 copy: 1 id: 40955-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock
 INUM: 05904
 ABS: Volume I of this report contains a description of the
 CONSTRIIP III
 computer program. This program calculates the
 penetration of
 radiation from a uniformly contaminated horizontal
 rectangular
 source area through a shielding wall to a point
 detector. Volume II
 contains the theoretical development and a demonstration
 of a
 damaged Protection Factor multiplier. The variables
 selected offer
 promise of explaining a large fraction of the change in
 Protection
 Factor caused by damage to a structure. Methods of
 testing the model
 are presented.
 ADNO: 653275
 AUTH: JOHNSON T.
 CLSS: U
 CONN: N 0022866 C 1086
 CORP: RESEARCH TRIANGLE INSTITUTE (RESEARCH TRIANGLE
 PARK-NORTH CAROLINA)
 DATE: 6705

DESC: Nuclear Weapon Effects on animals ionizing radiation
 DESC: THEORY TABULAR
 DESC: Cross Sections gamma
 REPN: R OU 266 ; USNRDL TRC 67 4
 SUJO: 3-312-000 ; 9-830-000
 TITL: RADIOLOGICAL RECOVERY REQUIREMENTS, STRUCTURES AND
 OPERATIONS RESEARCH, VOLUMEIII, DAMAGED PF MULTIPLIER, FINAL REPORT
 (U), 43 P
 (U)
 .block
 05904
 .endblock
 .block
 copy: 1 id: 40956-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock
 INUM: 05919
 ADNO: 658658
 AUTH: GIBSON N.N. ; PELLETIER A.M. ; HILTON C.G. ; JACOBSON
 J.R. ;
 MCNEILLY J.H. ; RIGOTTI D.L.
 CLSS: U
 CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD
 ARSENAL-MARYLAND)
 DATE: 6708
 DESC: SURVEY EXPERIMENTAL
 DESC: test instruments nuclear radiation dosimeters radiacs
 REPN: NDL TR 91
 SUJO: 4-346-000
 TITL: EXPERIMENTAL EVALUATION OF VARIOUS GAMMA DOSIMETRY
 SYSTEMS (U), 54 P
 (U)
 TREE: 655
 .block
 05919
 .endblock
 .block
 copy: 1 id: 40967-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock
 INUM: 05931
 ADNO: 383157
 AUTH: MATTHEWS R.G. ; LEACH E.R. ; CASTLE R.T.
 CLSS: SRD
 CONN: DA 01 021 AMC 14693 (Z)
 CORP: BATTELLE MEMORIAL INSTITUTE (COLUMBUS-OHIO) ;
 ARMY/RESEARCH AND
 DEVELOPMENT LABORATORIES (REDSTONE ARSENAL-ALABAMA)
 DATE: 6702

DESC: Simulation Facilities Techniques TREE
 DESC: Simulation Facilities Techniques thermal optical
 DESC: Nuclear RDT&E Research Program Descriptions x-ray
 effects
 DESC: Simulation Facilities Techniques blast shock airblast
 DESC: Simulation Facilities Techniques nuclear radiation
 reactors isotopic
 sources
 DESC: Simulation Facilities Techniques blast shock high
 explosives
 DESC: SURVEY
 DESC: Nuclear Weapon Environment Thermal Output rate
 REPN: RSIC 650
 TSHO: HI-ALT
 SUJO: 1-240-000 ; 4-130-000 ; 4-211-000 ; 4-216-300 ;
 4-241-000 ;
 4-272-000 ; 4-280-000
 TEMP: 55442
 TITL: SIMULATION OF NUCLEAR WEAPONS EFFECTS (U), 69 P (SRD)
 .block
 05931
 .endblock
 .block
 copy: 1 id: 40975-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 05936
 ABS: Literature pertaining to underwater detonations, bubble
 formation,
 and salt and gas transfer into the atmosphere from the
 ocean have
 been reviewed, and a model has been formulated for a
 continuous
 radioactive plume of debris resulting from underwater
 nuclear
 detonations. This plume of radioactive debris depends on
 the source
 of ocean contamination, i.e., the pool, as well as
 dispersion in the
 atmosphere. The pool growth, rate of mixing, and debris
 distribution
 have been discussed relative to plume formation. A pool
 and plume
 formation hypothesis has been presented to synthesize
 pertinent data
 into a useable model of effects occurring following
 underwater
 nuclear detonations. This hypothesis has been used in a
 "test case,"
 to attempt a quantitative determination of the
 radioactivity
 concentration in the plume resulting from one particular

nuclear

detonation.

ADNO: 380659L

AUTH: SCHELL W.R. ; GUINASSO N.L.JR. ; CHARNELL R.L.

CLSS: C

CCDE: ZZ

CONN: N 00228 66 C 0336 B

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CALIFORNIA) ; HAZELTON NUCLEAR SCIENTIFIC

CORPORATION

(PALO ALTO-CALIFORNIA)

DATE: 6702

DESC: Nuclear Weapon Environment fallout transport

DESC: Nuclear Weapon Phenomenology base surge

DESC: Nuclear Weapon Environment Fallout Formation mechanisms

DESC: Nuclear Weapon Environment Fallout Radioproperties

DESC: nuclear test detection debris fallout

DESC: Nuclear Weapon Environment Water Shock bubbles

DESC: test instruments nuclear radiation fallout debris

sampling

collectors

DESC: THEORY TABULAR CODE

DESC: test instruments nuclear radiation gamma

REPN: USNRDL TRC 67 11 ; HNS 78

TSHO: UW

SUJO: 2-221-000 ; 2-223-000 ; 2-224-120 ; 2-224-200 ;
2-636-000 ;

4-341-000 ; 4-345-000 ; 4-919-000

TEMP: A0762

TITL: AIRBORNE RADIOACTIVITY FROM UNDERWATER NUCLEAR WEAPONS
DETONATIONS,

FINAL REPORT (U), 69 P (C)

TNFF: 4887 ; 4860

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05936

.endblock

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copy: 1 id: 40976-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 05965

ADNO: 659409

AUTH: SPIEL D.E. ; BOOM R.W. ; CRITTENDEN E.C. JR.

CLSS: U

CONN: DA 18 035 AMC 107 (A)

CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD
ARSENAL-MARYLAND)

DATE: 6707

DESC: test instruments nuclear radiation proton alpha heavy
particle

DESC: THEORY EXPERIMENTAL

SUJO: 4-343-000

TITL: SUPERCONDUCTING NUCLEAR PARTICLE DETECTOR, FINAL REPORT
(U), 76 P (U)

.block
05965
.endblock

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copy: 1 id: 41002-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 05977
ADNO: 382463L
AUTH: KAULUM K.W. ; OLSON M.A.
CLSS: C
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CALIFORNIA)
DATE: 6705
DESC: EXPERIMENTAL
DESC: nuclear test detection debris fallout
DESC: Nuclear Weapon Environment Water Shock bubbles
REPN: USNRDL TR 67 60
TSHO: UW
SUJO: 2-636-000 ; 4-919-000
TEMP: B8543
TITL: CONTAINMENT OF EXPLOSION PRODUCTS FROM A DEEP UNDERWATER
EXPLOSION (CHASE V), FINAL REPORT (U), 83 P (U)

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05977
.endblock

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copy: 1 id: 41014-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 05982
ABS: Analysis of neutron sulfur fluence measurements provides
500-meter neutron sulfur fluence values. No reliability limits are
placed on the values derived.
ADNO: 381525L
AUTH: SHNIDER R.W.
CLSS: SRD
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CALIFORNIA)
DATE: 6703
DESC: Nuclear Warfare Theater operations scenarios battlefield environment
L1
DESC: SUMMARY

DESC: Nuclear weapon test yield
DESC: Nuclear Weapon Environment Prompt Neutron energy
spectrum
DESC: Nuclear Weapon Environment Prompt Neutron source
strength total
fluence
REPN: USNRDL TR 67 034
SHOT: BOLTZMANN ; LITTLE FELLER-I ; BLUEGILL ; LITTLE
FELLER-II ; WILSON ;
FIZEAU ; FRANKLIN ; ERIE ; WASP ; EASY(B-J)
TSHO: LOW-ALT ; SURFACE ; HI-ALT
SOCE: [REDACTED]
[REDACTED]
SUJO: 1-110-000 ; 1-120-000 ; 3-411-200 ; 4-835-000
TEMP: 55449
TITL: DETERMINATION OF NEUTRON SULFUR FLUENCE VALUES AT 500
METERS FROM
TACTICAL AIRBURSTS (U), 17 P (SRD)
TNFF: 4850
TREE: 920
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05982
.endblock
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copy: 1 id: 41017-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 05996
AUTH: BUTKOVICH T.R.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
DATE: 6701
DESC: Nuclear Weapon Environment Ground Shock cavities
subsidence collapse
DESC: THEORY U/K BUTKOVICH T.R.
DESC: Soil Rock Properties Equation of State Conductivity
DESC: Equation of State of Water Opacity
REPN: UCRL 14729
SUJO: 2-627-000 ; 6-300-000 ; 7-200-000
TITL: GAS EQUATION OF STATE FOR NATURAL MATERIALS (U), 23 P
(U)
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05996
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copy: 1 id: 41026-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06010

AUTH: KNOX J.B. ; TEWES H.A. ; CRAWFORD T.V.
 CLSS: SRD
 CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
 DATE: 6709
 DESC: Nuclear Weapon Environment Fallout isotope concentrations
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Environment fallout down fraction
 DESC: Nuclear Weapon Environment fallout accumulation rate
 DESC: Nuclear Weapon Phenomenology cloud development rise
 DESC: Nuclear Weapon Environment fallout transport
 REPN: UCRL 50297
 SHOT: SEDAN
 TSHO: UG-VENTED
 SUJO: 2-223-100 ; 2-224-100 ; 2-224-200 ; 2-225-200 ;
 2-225-400
 TEMP: 55543
 TITL: PRODUCTION AND DISTRIBUTION OF TRITIUM IN NUCLEAR
 CRATERING EVENTS
 (U), 28 P (SRD)
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 06010
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 copy: 1 id: 41042-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 06014
 AUTH: WALKER F.E.
 CLSS: U
 CCDE: TEMCAL
 CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
 DATE: 6703
 DESC: Fluid Mechanics hydrodynamics
 DESC: equation of state heat of vaporization thermal
 conductivity opacity
 DESC: CODE THEORY
 REPN: UCRL 50210 ; TID 4500
 SUJO: 9-410-000 ; 9-710-000
 TITL: FORTRAN PROGRAM (TEMCAL) FOR CALCULATION OF HUGONIOT
 TEMPERATURES,
 ISOTHERMS, AND RELEASE ADIABATS FROM HYDRODYNAMIC DATA
 (U), 30 P (U)
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 06014
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 copy: 1 id: 41046-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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INUM: 06035
 ADNO: 383799
 AUTH: WELLS P.B. ; KEITH J.R. ; SACHS D.C. ; VEIGELE W.J.
 CLSS: SRD
 CONN: DA 18 001 AMC 1042 (X)
 CORP: KAMAN NUCLEAR (COLORADO SPRINGS-COLORADO)
 DATE: 6702
 DESC: Nuclear Weapon Phenomenology Fireball Internal Pressure
 Temperature
 Density Particle Velocities
 DESC: Nuclear Weapon Environment Prompt Neutron energy
 spectrum
 DESC: THEORY
 DESC: Nuclear Weapon Environment Airblast static overpressure
 OVERPRESSURE
 ARRIVAL TIME
 DESC: Nuclear Weapon Environment X-ray Output energy spectrum
 DESC: Cross Sections gamma
 DESC: Nuclear Weapon Phenomenology Fireball Energy Partition
 Energy
 Coupling
 DESC: Cross Sections x-ray
 DESC: Radiation Transport x-ray
 DESC: Nuclear Weapon Environment Initial Gamma energy spectrum
 REPN: KN 711 67 7
 TSHO: HI-ALT
 SOCE: DEV-1 ; DEV-31 ; DEV-23 ; DEV-68
 SUJO: 1-120-000 ; 1-620-000 ; 1-720-000 ; 2-130-000 ;
 2-150-000 ;
 2-611-000 ; 9-640-000 ; 9-830-000 ; 9-840-000
 TEMP: 55563
 TITL: INVESTIGATION OF AIR BLAST FROM SPECIAL WEAPONS (U), 145
 P (SRD)
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 created: 12/27/1991 type: REPORT permanent
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INUM: 06042
 ADNO: 821617
 AUTH: BERG S. ; MCELROY W.N.
 CLSS: U
 CCDE: SAND II
 CONN: AF 29 (601) 7196 ; AF 29 (601) 6780
 CORP: ATOMICS INTERNATIONAL (CANOGA PARK-CALIFORNIA) ; AIR
 FORCE/WEAPONS
 LABORATORY (KIRTLAND AIR FORCE BASE-NEW MEXICO)
 DATE: 6709
 DESC: test instruments nuclear radiation neutron
 DESC: TABULAR CODE

REPN: AFWL TR 67 41 2 ; AI 67 90 2
 SUJO: 4-342-000
 TITL: COMPUTER-AUTOMATED ITERATIVE METHOD FOR NEUTRON FLUX
 SPECTRA DETERMINATION BY FOIL ACTIVATION, VOLUME II, SAND II
 (SPECTRUM ANALYSIS BY NEUTRON DETECTORS II) AND ASSOCIATED CODES
 (U), 384 P
 (U)
 TREE: 652
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 copy: 1 id: 41064-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 06044
 ADNO: 821616
 AUTH: MCELROY W.N. ; BERG S.
 CLSS: U
 CONN: AF 29 (601) 7196 ; AF 29 (601) 6780
 CORP: ATOMICS INTERNATIONAL (CANOGA PARK-CALIFORNIA) ; AIR
 FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NEW MEXICO)
 DATE: 6709
 DESC: Orbital Mechanics
 DESC: Nuclear Weapon Environment Prompt Neutron energy
 spectrum
 DESC: Simulation Facilities Techniques nuclear radiation
 reactors isotopic
 sources
 DESC: TABULAR
 REPN: AFWL TR 67 41 4 ; AI 67 90 V
 SUJO: 1-120-000 ; 4-241-000 ; 9-100-000
 TITL: COMPUTER-AUTOMATED ITERATIVE METHOD FOR NEUTRON FLUX
 SPECTRA DETERMINATION BY FOIL ACTIVATION, VOLUME IV, REFERENCE
 SPECTRUM LIBRARY FOR SAND II (U), 388 P (U)
 TREE: 652
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 06058
 ADNO: 658327

AUTH: CASSIDY S.H. ; CROCKER G.R.
CLSS: U
CONN: AEC AT (49 7) 1963
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6705
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra
DESC: TABULAR
DESC: Nuclear Weapon Environment fallout fractionation
DESC: Nuclear Weapon Environment Fallout Particles size
distribution
REPN: USNRDL TR 67 70
SUJO: 2-222-300 ; 2-223-200 ; 2-223-500
TITL: SENSITIVITY ANALYSIS OF THE RADIAL DISTRIBUTION MODEL.
SENSITIVITY
TO CARRIER MATERIAL, YIELD AND TYPE OF FISSION (U), 86

P (U)
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06058
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copy: 1 id: 41078-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06061
ADNO: 819770L
AUTH: HUEBSCH I.O. ; CASSIDY S.H. ; NORMENT H.G. ; ZUCKERMAN
J. ; SCHWENKE
T.W.
CLSS: U
CCDE: DELFIC
CONN: DA 28 043 AMC 01309 (E)
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA) ; TECHNICAL OPERATIONS
INCORPORATED
(BURLINGTON-MASSACHUSETTS)
DATE: 6705
DESC: CODE THEORY
DESC: Nuclear Weapon Environment Fallout Particles size
distribution
DESC: Nuclear Weapon Phenomenology cloud Motion
REPN: TO B 66 80 ; ECOM 01309 F
TSHO: SURFACE
SUJO: 2-222-300 ; 2-224-000
TITL: DEVELOPMENT OF AN IMPROVED LAND-SURFACE FALLOUT MODEL
PART 3 CLOUD
RISE, FINALREPORT (U), 244 P (U)

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06061
.endblock
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copy: 1 id: 41081-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06062
ADNO: 384674
AUTH: WAXLER D. ; PAITCHEL H.
CLSS: SRD
CORP: ARMY/PICATINNY ARSENAL (DOVER-NEW JERSEY)
DATE: 6709
DESC: Nuclear Weapon Effects ordnance bombs mines warheads
DESC: Nuclear Weapon Effects ordnance electroexplosive devices
fuses
DESC: Nuclear Weapon Effects ordnance explosives
DESC: EXPERIMENTAL
SUJO: 3-161-000 ; 3-162-000 ; 3-163-000
TEMP: 55514
TITL: PROCEEDINGS, CONFERENCE ON RADIATION EFFECTS ON
EXPLOSIVES (U), 326
P (SRD)

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06062
.endblock

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copy: 1 id: 41082-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06062-3
AUTH: WIMENITZ F.N.
CLSS: SRD
CORP: ARMY/HARRY DIAMOND LABORATORIES (WASHINGTON-D.C.)
DATE: 6709
DESC: SUMMARY
DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse
width
DESC: Nuclear Weapon Environment Ground Shock cavities
subsidence collapse
DESC: Nuclear Weapon Environment Ground Shock velocity arrival
time
spectrum duration
DESC: Nuclear Weapon Environment Ground Shock motion strain
fracture
displacement particle velocity
DESC: Nuclear Weapon Environment Initial Gamma source strength
total
intensity
DESC: Nuclear Weapon Environment Prompt Neutrons
SHOT: SILVER BELL ; WISHBONE ; PIN STRIPE ; NEW POINT ;
DILUTED WATERS
TSHO: UG-CONTAINED
SUJO: 1-100-000 ; 1-710-000 ; 1-740-000 ; 2-621-000 ;

2-622-000 ;

2-627-000

SYMJ: PROCEEDINGS, U.S. ARMY MUNITIONS COMMAND, CONFERENCE ON
RADIATION

TITLE: EFFECTS ON EXPLOSIVES, 18-20 MAY 1966 (U), 326 P (SRD)
POSITIONS CHARACTERISTICS OF NUCLEAR RADIATION ENVIRONMENT AT TEST

IN OPERATION SILVER BELL (U), 16 P (SRD)

TREE: 910 ; 920

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06062-3

.endblock

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copy: 1 id: 41093-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06062-4

AUTH: BRYANT E.J.

CLSS: SRD

CORP: ARMY/BALLISTIC RESEARCH LABORATORIES (ABERDEEN-MARYLAND)

DATE: 6709

DESC: Nuclear Weapon Environment Prompt Neutron source
strength total

fluence

DESC: Nuclear Weapon Environment X-ray Output energy spectrum

DESC: Nuclear Weapon Environment X-ray Output source strength
total

intensity

DESC: Nuclear Weapon Environment Initial Gamma source strength
total

intensity

DESC: SUMMARY

SHOT: MIDI MIST

TSHO: UG-CONTAINED ; HI-ALT

SUJO: 1-110-000 ; 1-610-000 ; 1-620-000 ; 1-710-000

SYMJ: PROCEEDINGS, U.S. ARMY MUNITIONS COMMAND, CONFERENCE ON
RADIATION

TITLE: EFFECTS ON EXPLOSIVES, 18-20 MAY 1966 (U), 326 P (SRD)
POSITIONS CHARACTERISTICS OF NUCLEAR RADIATION ENVIRONMENT AT TEST

IN OPERATION MIDI MIST (U), 4 P (SRD)

TREE: 930

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06062-4

.endblock

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copy: 1 id: 41094-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06062-5

AUTH: MCNEILLY J.
CLSS: SRD
CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD
ARSENAL-MARYLAND)
DATE: 6709
DESC: Nuclear Weapon Environment Prompt Neutron energy
spectrum
DESC: SUMMARY
DESC: Nuclear Weapon Environment Initial Gamma source strength
total
intensity
SHOT: SILVER BELL ; WISHBONE ; DILUTED WATERS ; PIN STRIPE
TSHO: UG-CONTAINED
SUJO: 1-120-000 ; 1-710-000
SYMJ: PROCEEDINGS, U.S. ARMY MUNITIONS COMMAND, CONFERENCE ON
RADIATION
EFFECTS ON EXPLOSIVES, 18-20 MAY 1966 (U), 326 P (SRD)
TITL: NUCLEAR RADIATION DOSIMETRY MEASUREMENTS ON OPERATION
SILVER BELL
(U), 12 P (SRD)
TREE: 910
.block
06062-5
.endblock
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copy: 1 id: 41095-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06062-6
AUTH: BEHRMANN L. ; BERNSTEIN D.
CLSS: SRD
CORP: PHYSICS INTERNATIONAL (SAN LEANDRO-CALIFORNIA)
DATE: 6709
DESC: THEORY EXPERIMENTAL
DESC: Cross Sections electron
DESC: Nuclear Weapon Effects materials metals alloys
DESC: Nuclear Weapon Effects ordnance explosives
SUJO: 3-163-000 ; 3-243-000 ; 9-850-000
SYMJ: PROCEEDINGS, U.S. ARMY MUNITIONS COMMAND, CONFERENCE ON
RADIATION
EFFECTS ON EXPLOSIVES, 18-20 MAY 1966 (U), 326 P (SRD)
TITL: TRANSIENT AND TERMINAL EFFECTS OF RAPID IN-DEPTH ENERGY
DEPOSITION
IN EXPLOSIVES (U), 20 P (SRD)
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06062-6
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copy: 1 id: 41096-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06062-7
AUTH: NABLO S.V. ; DOW J.
CLSS: CRD
CORP: ION PHYSICS CORPORATION (BURLINGTON-MASSACHUSETTS)
DATE: 6709
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects ordnance explosives
DESC: Nuclear Weapon Effects materials ceramics optical
DESC: Nuclear Weapon Effects materials plastics resins
SUJO: 3-163-000 ; 3-241-000 ; 3-244-000
SYMJ: PROCEEDINGS, U.S. ARMY MUNITIONS COMMAND, CONFERENCE ON
RADIATION

EFFECTS ON EXPLOSIVES, 18-20 MAY 1966 (U), 326 P (SRD)
TITL: CHARGE STORAGE PHENOMENA AND SPONTANEOUS ELECTRICAL
BREAKDOWN IN
ELECTRON IRRADIATED MATERIALS (U), 31 P (CRD)

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06062-7

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copy: 1 id: 41097-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06062-8
AUTH: BERBERET J.
CLSS: C
CORP: GENERAL ELECTRIC COMPANY/TEMPO (SANTA
BARBARA-CALIFORNIA)
DATE: 6709
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects ordnance explosives
SUJO: 3-163-000
SYMJ: PROCEEDINGS, U.S. ARMY MUNITIONS COMMAND, CONFERENCE ON
RADIATION

EFFECTS ON EXPLOSIVES, 18-20 MAY 1966 (U), 326 P (SRD)
TITL: SOME STUDIES OF MECHANISMS PRODUCED BY NUCLEAR
RADIATIONS IN
EXPLOSIVE SOLIDS (U), 20 P (C)

.block
06062-8

.endblock

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copy: 1 id: 41098-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06062-9
AUTH: ORDIN P.M. ; VORECK W.E. ; AVRAMI L.
CLSS: CRD
CORP: NASA (WASHINGTON-D.C.) ; AEROJET-GENERAL CORPORATION
(AZUSA-CALIFORNIA) ; ARMY/PICATINNY ARSENAL (DOVER-NEW

JERSEY)

DATE: 6709
DESC: Nuclear Weapon Effects ordnance propellants solid
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects ordnance explosives
DESC: Nuclear Weapon Effects ordnance electroexplosive devices
fuses
SUJO: 3-162-000 ; 3-163-000 ; 3-164-000
SYMJ: PROCEEDINGS, U.S. ARMY MUNITIONS COMMAND, CONFERENCE ON
RADIATION

EFFECTS ON EXPLOSIVES, 18-20 MAY 1966 (U), 326 P (SRD)
TITL: NERVA COUNTERMEASURES RADIATION EFFECTS PROGRAM (U), 25
P (CRD)

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06062-9
.endblock
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copy: 1 id: 41099-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06062-10
AUTH: SMITH L.C.
CLSS: C
CORP: LOS ALAMOS SCIENTIFIC LABORATORY (LOS ALAMOS-NEW MEXICO)
DATE: 6709
DESC: Nuclear Weapon Effects ordnance explosives
DESC: THEORY
SUJO: 3-163-000
SYMJ: PROCEEDINGS, U.S. ARMY MUNITIONS COMMAND, CONFERENCE ON
RADIATION

EFFECTS ON EXPLOSIVES, 18-20 MAY 1966 (U), 326 P (SRD)
TITL: VULNERABILITY OF ORGANIC EXPLOSIVES TO PULSES OF NUCLEAR
RADIATION
(U), 15 P (C)

.block
06062-10
.endblock
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copy: 1 id: 41083-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06062-11
AUTH: LOUGHRAN E.D.
CLSS: CRD
CORP: LOS ALAMOS SCIENTIFIC LABORATORY (LOS ALAMOS-NEW MEXICO)
DATE: 6709
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects ordnance explosives
DESC: Nuclear Weapon Environment Prompt Neutron source
strength total

fluence

DESC: Nuclear Weapon Environment Initial Gamma source strength
total

intensity

SHOT: SMALLBOY

TSHO: SURFACE

SUJO: 1-110-000 ; 1-710-000 ; 3-163-000

SYMJ: PROCEEDINGS, U.S. ARMY MUNITIONS COMMAND, CONFERENCE ON
RADIATION

EFFECTS ON EXPLOSIVES, 18-20 MAY 1966 (U), 326 P (SRD)

TITL: EFFECTS OF NUCLEAR RADIATION ON ORGANIC EXPLOSIVES (U),
18 P (CRD)

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06062-11

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copy: 1 id: 41084-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06062-13

AUTH: GOVER J.

CLSS: S

CORP: SANDIA CORPORATION (ALBUQUERQUE-NEW MEXICO)

DATE: 6709

DESC: Nuclear Weapon Effects ordnance explosives

DESC: Nuclear Weapon Effects ordnance electroexplosive devices
fuses

DESC: EXPERIMENTAL

SHOT: SMALLBOY ; SCREAMER ; TAPESTRY

TSHO: SURFACE ; UG-CONTAINED ; HI-ALT

SUJO: 3-162-000 ; 3-163-000

SYMJ: PROCEEDINGS, U.S. ARMY MUNITIONS COMMAND, CONFERENCE ON
RADIATION

EFFECTS ON EXPLOSIVES, 18-20 MAY 1966 (U), 326 P (SRD)

TITL: RADIATION VULNERABILITY OF EXPLOSIVES, A SUMMARY OF
DEPARTMENT 1310

EXPERIMENTS (U), 12 P (S)

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06062-13

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copy: 1 id: 41085-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06062-14

AUTH: GREGORITS J.W. ; HOFFMAN J.R. ; HASKO J.F.

CLSS: SRD

CORP: ARMY/PICATINNY ARSENAL (DOVER-NEW JERSEY) ; KAMAN
NUCLEAR (COLORADO
SPRINGS-COLORADO)

DATE: 6709
DESC: Nuclear Weapon Effects ordnance electroexplosive devices
fuses
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects ordnance explosives
DESC: Nuclear Weapon Environment X-ray Output energy spectrum
DESC: Nuclear Test Simulation Field Programs experiment design
x-ray

experiments
TSHO: UG-CONTAINED ; HI-ALT
SUJO: 1-620-000 ; 3-162-000 ; 3-163-000 ; 4-820-500
SYMJ: PROCEEDINGS, U.S. ARMY MUNITIONS COMMAND, CONFERENCE ON
RADIATION

EFFECTS ON EXPLOSIVES, 18-20 MAY 1966 (U), 326 P (SRD)
TITL: PRELIMINARY RESULTS OF PICATINNY ARSENAL PARTICIPATION
IN OPERATION
DISTANT MIST (U), 32 P (SRD)

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06062-14

.endblock

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copy: 1 id: 41086-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06062-15

AUTH: OLDS C.C.

CLSS: SRD

CONN: NOSP 65023

CORP: LOCKHEED MISSILES AND SPACE COMPANY
(SUNNYVALE-CALIFORNIA)

DATE: 6709

DESC: SUMMARY

DESC: Nuclear Weapon Effects materials carbon

SUJO: 3-248-000

SYMJ: PROCEEDINGS, U.S. ARMY MUNITIONS COMMAND, CONFERENCE ON
RADIATION

EFFECTS ON EXPLOSIVES, 18-20 MAY 1966 (U), 326 P (SRD)
TITL: REVIEW AND INTERPRETATION OF LOCKHEEDS EXPERIMENTAL
PROGRAM (U), 5 P
(SRD)

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06062-15

.endblock

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copy: 1 id: 41087-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06062-16

AUTH: LASHBROOK R.V. ; FOUSE R.R.

CLSS: C

CORP: NORTHROP/NORTRONICS (NEWBURY PARK-CALIFORNIA)
DATE: 6709
DESC: Nuclear Weapon Effects ordnance electroexplosive devices
fuses
DESC: EXPERIMENTAL
SUJO: 3-162-000
SYMJ: PROCEEDINGS, U.S. ARMY MUNITIONS COMMAND, CONFERENCE ON
RADIATION
EFFECTS ON EXPLOSIVES, 18-20 MAY 1966 (U), 326 P (SRD)
TITL: EFFECTS OF RADIATION ON EXPLOSIVE DEVICES (U), 12 P (C)

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06062-16

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copy: 1 id: 41088-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06062-17
AUTH: PAITCHEL H.
CLSS: SRD
CORP: ARMY/PICATINNY ARSENAL (DOVER-NEW JERSEY)
DATE: 6709
DESC: SUMMARY
DESC: Nuclear Test Simulation Field Programs experiment design
materials
SHOT: NEW POINT ; SILVER BELL
TSHO: UG-CONTAINED
SUJO: 4-829-600
SYMJ: PROCEEDINGS, U.S. ARMY MUNITIONS COMMAND, CONFERENCE ON
RADIATION

EFFECTS ON EXPLOSIVES, 18-20 MAY 1966 (U), 326 P (SRD)
TITL: DESIGN OF PICATINNY ARSENALS EXPERIMENT ON PROJECT NEW
POINT (U), 20
P (SRD)

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.endblock

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copy: 1 id: 41089-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06062-18
AUTH: LEVY P.W.
CLSS: SRD
CORP: ARMY/PICATINNY ARSENAL (DOVER-NEW JERSEY)
DATE: 6709
DESC: Nuclear Weapon Effects ordnance explosives
DESC: SUMMARY
SUJO: 3-163-000
SYMJ: PROCEEDINGS, U.S. ARMY MUNITIONS COMMAND, CONFERENCE ON

RADIATION

TITL: EFFECTS ON EXPLOSIVES, 18-20 MAY 1966 (U), 326 P (SRD)
EXPLOSIVES BRIEF SURVEY OF RESEARCH ON THE EFFECTS OF RADIATION ON

AND RELATED MATERIALS AT PICATINNY ARSENAL (U), 15 P
(SRD)

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06062-18

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copy: 1 id: 41090-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06062-19

ADNO: 375516L

AUTH: BLEVINS R.W. ; MARTIN P.J. ; REEDY T.L.

CLSS: SRD

CORP: APPLIED PHYSICS LABORATORY (SILVER SPRING-MARYLAND)

DATE: 6709

DESC: Nuclear Weapon Effects materials carbon

DESC: EXPERIMENTAL

TSHO: UG-CONTAINED ; HI-ALT

SUJO: 3-248-000

SYMJ: PROCEEDINGS, U.S. ARMY MUNITIONS COMMAND, CONFERENCE ON
RADIATION

TITL: EFFECTS ON EXPLOSIVES, 18-20 MAY 1966 (U), 326 P (SRD)
PROPPELLANT ARPAS LABORATORY AND FIELD TEST INVESTIGATIONS ON
GROSS MECHANICAL AND CHEMICAL CHANGES (U), 22 P (SRD)

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06062-19

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copy: 1 id: 41091-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06062-20

AUTH: FREEMAN E.S.

CLSS: U

CORP: ILLINOIS INSTITUTE OF TECHNOLOGY/RESEARCH INSTITUTE
(CHICAGO-ILLINOIS)

DATE: 6709

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Effects materials carbon

SUJO: 3-248-000

SYMJ: PROCEEDINGS, U.S. ARMY MUNITIONS COMMAND, CONFERENCE ON
RADIATION

TITL: EFFECTS ON EXPLOSIVES, 18-20 MAY 1966 (U), 326 P (SRD)
EFFECTS OF X-RAYS AND GAMMA RAYS ON CHEMICAL REACTIVITY
OF FUELS AND

OXIDIZERS(U), 19 P (U)

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  created: 12/27/1991  type: REPORT  permanent
.endblock
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INUM: 06068
ADNO: 817959L
AUTH: RINNERT H.R.
CLSS: U
CCDE: ZZ ; RADIOACTIVE POOL DOSE (NRDL)
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
 FRANCISCO-CALIFORNIA)
DATE: 6705
DESC: CODE THEORY
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic
 external
REPN: USNRDL TR 67 51
TSHO: UW
SUJO: 2-223-200 ; 3-312-210
TITL: EXPOSURE RATE HISTORY AND TOTAL EXPOSURE FOR A SURFACE
OR SUBSURFACE
 TRAVERSAL OF A RADIOACTIVE POOL (U), 95 P (U)

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  copy: 1   id: 41103-1001       library: DOCUMENT   price: $.00
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  created: 12/27/1991  type: REPORT  permanent
.endblock
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INUM: 06071
ADNO: 660338
AUTH: SULLIVAN D.B.
CLSS: U
CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD
ARSENAL-MARYLAND)
DATE: 6710
DESC: THEORY EXPERIMENTAL
DESC: test instruments nuclear radiation proton alpha heavy
particle
REPN: NDL TR 93
SUJO: 4-343-000
TITL: SUPERCONDUCTING THIN-FILM NUCLEAR-PARTICLE DETECTOR (U),
58 P (U)

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06071
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copy: 1 id: 41106-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 06072
ADNO: 819720L
AUTH: SHAPIRO E.S.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO, CA)
DATE: 6707
DESC: nuclear test detection debris fallout
DESC: THEORY
DESC: nuclear test detection hydroacoustic detection L1
REPN: USNRDL TR 67 76
TSHO: UW
SUJO: 4-916-000 ; 4-919-000
TITL: PROBABILITY OF SUCCESSFUL SEARCH FOR THE RADIOACTIVE POOL RESULTING FROM NUCLEAR DETONATION IN THE OCEAN, PHASE 1, DETERMINATION OF THE OPTIMAL AREA TO BE SEARCHED (U), 62 P (U)

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06072
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copy: 1 id: 41107-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 06073
ADNO: 820147L
AUTH: PASCUAL J.N.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CALIFORNIA)
DATE: 6706
DESC: Nuclear Weapon Environment Fallout Particles size distribution
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra
DESC: EXPERIMENTAL
REPN: USNRDL TR 67 88
SHOT: SMALLBOY
TSHO: SURFACE
SUJO: 2-222-300 ; 2-223-200
TITL: BIAS IN FALLOUT DATA FROM NUCLEAR SURFACE SHOT SMALL BOY, AN EVALUATION OF SAMPLE PERTURBATION BY SIEVE SIZING (U),

23 P (U)

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06073

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copy: 1 id: 41108-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 06088

ADNO: 383797L

AUTH: KELLY C.W. ; BASHE R. ; RICHTER A. ; BURGESS W.

CLSS: SFRD

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CALIFORNIA)

DATE: 6706

DESC: nuclear test detection infrared detection

DESC: EXPERIMENTAL

DESC: nuclear test detection topographic changes

REPN: USNRDL TR 67 72

SUJO: 4-910-500 ; 4-910-600

TEMP: 55664

TITL: MULTI-SENSOR RECONNAISSANCE IMAGERY OF NUCLEAR TESTING

ACTIVITIES

(U), 30 P (SFRD)

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copy: 1 id: 41175-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06097

ADNO: 822283

AUTH: HARRITY J.W. ; MALLON C.E.

CLSS: U

CONN: AF 29 (601) 7183

CORP: GD/GENERAL ATOMIC DIVISION (SAN DIEGO-CALIFORNIA) ; AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NEW

MEXICO)

DATE: 6710

DESC: Nuclear Weapon Effects space systems

DESC: Simulation Facilities Techniques nuclear radiation
reactors isotopic
sources

DESC: Nuclear Weapon Effects electronic pieceparts materials
basic

mechanisms L1

DESC: EXPERIMENTAL THEORY

DESC: Nuclear Weapon Effects electronic pieceparts solar cells
L1

DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers
 REPN: AFWL TR 67 45 ; GA 7972
 SUJO: 3-114-000 ; 3-220-200 ; 3-221-000 ; 3-223-000 ;
 4-241-000
 TITL: SHORT-TERM ANNEALING IN SEMICONDUCTOR MATERIALS AND
 DEVICES, FINAL
 REPORT (U), 92 P (U)
 TREE: 200 ; 310
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 copy: 1 id: 41183-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 06102
 ADNO: 659146
 AUTH: ALLEN R.G.JR. ; BRUCE W.R. ; KAY K.R. ; MORRISON L.K. ;
 NEISH R.A. ;
 POLASKI C.A. ; RICHARDS R.A.
 CLSS: U
 CONN: AF 41 (609) 3099
 CORP: TECHNOLOGY INCORPORATED (SAN ANTONIO-TEXAS)
 DATE: 6707
 DESC: THEORY EXPERIMENTAL
 DESC: Simulation Facilities Techniques biomedical thermal
 DESC: Nuclear Weapon Effects on animals thermal ocular effects
 SUJO: 3-313-200 ; 4-252-000
 TITL: RESEARCH ON OCULAR EFFECTS PRODUCED BY THERMAL
 RADIATION, FINAL
 REPORT (U), 134 P (U)
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 06102
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 copy: 1 id: 41187-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 06171
 ABS: Volume I of this study postulates circumstances which
 could result
 in plutonium contamination and makes recommendations for
 operational
 criteria to limit the contamination of personnel and
 facilities from
 such an event. Volume II describes procedures for
 dealing with
 plutonium contamination at Kwajalein. Radiological

safety procedures
are outlined for personnel in plutonium-contaminated
environments.
Time, manpower, and equipment requirements are presented
in detail
for specifically recommended radiological reclamation
operations.
Descriptions are provided of the organizations and
facilities
necessary for reclamation and radiological safety
support
operations. In addition, recommendations are made for
the
modification of facilities prior to a contaminating
event so as to
increase the efficiency of the radiological reclamation
operation.

ADNO: 820010L
AUTH: BENNETT C.B. ; OWEN W.L.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6705
DESC: Nuclear weapon safety radiological
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic
DESC: SURVEY
REPN: USNRDL TR 67 68
SUJO: 3-312-200 ; 4-838-100
TITL: PLANNING RADIOLOGICAL RECLAMATION OF TEST FACILITIES AT
KWAJALEIN
CONTAMINATEDBY PLUTONIUM, VOLUME II, RADIOLOGICAL
RECLAMATION
PROCEDURES (U), 117 P (O)

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06171
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copy: 1 id: 41210-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06172
ADNO: 820627L
AUTH: KAWAHARA F.K. ; BUNNEY L.R. ; FREILING E.C. ; CROCKER
G.R.
CLSS: U
CONN: AT (49 7) 1963
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6707
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Fallout isotope

concentrations

DESC: Nuclear Weapon Environment Fallout Particles size
distribution

REPN: USNRDL TR 67 90

SHOT: DANNY BOY ; SEDAN ; JOHNNIE BOY ; SMALLBOY

TSHO: UG-VENTED ; SURFACE

SUJO: 2-222-300 ; 2-223-100

TITL: FALLOUT FROM NUCLEAR CRATERING SHOT DANNY BOY, I.

RADIOCHEMICAL

ANALYSIS AND SOME PHYSICAL OBSERVATIONS ON SELECTED
SAMPLES (U), 44

P (U)

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06172

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copy: 1 id: 41211-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06175

ADNO: 661323

AUTH: SWARTZ J.M. ; CLOSSER W.H. ; THURSTON M.O.

CLSS: U

CONN: DA 18 035 AMC 101 (A)

CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD

ARSENAL-MARYLAND)

DATE: 6710

DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes

silicon-controlled rectifiers

DESC: test instruments nuclear radiation dosimeters radiacs

DESC: test instruments nuclear radiation neutron

DESC: THEORY EXPERIMENTAL

REPN: NDL TR 83 11

SUJO: 3-221-000 ; 4-342-000 ; 4-346-000

TITL: SILICON DIODE FAST NEUTRON DOSIMETER, PHASE II,

ISOCHRONAL AND

ISOTHERMAL ANNEALS OF THE RADIATION DAMAGE (U), 56 P (U)

TREE: 652

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06175

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copy: 1 id: 41213-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 06298

ABS: A neutron induced activity prediction system for use in
amphibious

operations is explained. This system is used to predict

the radiation hazard on beaches exposed to the neutron
fluence from a nuclear weapon. There is at present a neutron induced
activity prediction system used in FMFM 11-2 by the Marine Corps
and OPNAV instruction 03400.1C for the Navy. For a comparison of
the systems the old prediction system would yield 1R/hr while this
new system estimates 1700 R/hr under identical conditions. A
cookbook type of approach is used in describing the systems operating
instructions.

ADNO: 385777L

AUTH: TOMNOVEC F.M. ; READ P.A.

CLSS: SRD 1

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)

DATE: 6709

DESC: Nuclear Weapon Environment Prompt Neutron source
strength total
fluence

DESC: Nuclear Weapon Environment radiation decay gamma decay

DESC: Nuclear weapon test yield

DESC: Nuclear Warfare Theater operations scenarios battlefield
environment

L1

DESC: Nuclear weapon test placement including cab construction
for actual

detonation

DESC: Cross Sections neutron

DESC: HANDBOOK

REPN: USNRDL TR 67 117

SOCE: MK 5 ; MK 7 ; MK 9 ; MK 19 ; MK 25 ; MK 28 BOMB ; MK 30
; MK 31 ; MK

34 ; MK 40 ; MK 43 BOMB ; MK 44 ; MK 45 ; MK 54 ; TX-57
BOMB ; XW-52

; XW-55 ; XW-50 ; XW-48

SUJO: 1-110-000 ; 2-223-420 ; 3-411-200 ; 4-833-000 ;
4-835-000 ;

9-820-000

TEMP: 55737

TITL: NEUTRON INDUCED RADIATION FIELDS. HAZARD PREDICTION FOR
NUCLEAR

WEAPON EMPLOYMENT AGAINST AMPHIBIOUS WARFARE LANDING
BEACHES (U), 33

P (SRD)

TNFF: 4860

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06298

.endblock

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copy: 1 id: 41225-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06334
AUTH: FRANK A.L.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6710
DESC: EXPERIMENTAL TABULAR
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra
REPN: USNRDL TR 67 124
SUJO: 2-223-200
TITL: SPECTRAL MEASUREMENTS OF SCATTERED PHOTONS FROM A POINT
SOURCE NEAR
THE AIR-GROUND INTERFACE (U), 66 P (U)

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06334
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copy: 1 id: 41228-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06341
ADNO: 384147L
AUTH: RENNER R.H. ; JONES R.E.
CLSS: C
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6704
DESC: thermal protection
DESC: Nuclear Weapon Effects structures aboveground cities
DESC: Nuclear Weapon Effects materials wood paper cellulose
films
DESC: Civil Defense transattack measures firefighting L1
DESC: Nuclear Weapon Effects structures aboveground components
DESC: SURVEY
REPN: USNRDL TR 67 65
SUJO: 3-246-000 ; 3-251-100 ; 3-252-000 ; 3-476-100 ;
9-870-000
TITL: COUNTERMEASURES LIMITING URBAN VULNERABILITY TO FIRE
FROM NUCLEAR
BURSTS(U), 93 P (C)

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06341
.endblock

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copy: 1 id: 41230-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06347
ADNO: 651144
AUTH: STRAHAN V.H. ; KRUEGER A.F.
CLSS: U
CONN: DA 28 043 AMC 02431 (E)
CORP: NORTH AMERICAN AVIATION INCORPORATED/AUTONETICS DIVISION
(ANAHEIM-CALIFORNIA)
DATE: 6704
DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits
DESC: EXPERIMENTAL
REPN: C 7 420/501 ; ECOM 02431 1
SUJO: 3-222-000
TITL: RADIATION EFFECTS ON THIN-FILM INTEGRATED CIRCUIT
ELEMENTS (U), 61 P
(U)
TREE: 320

.block
06347
.endblock
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copy: 1 id: 41235-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06348
ADNO: 653623
AUTH: STRAHAN V.H. ; CHESA VAGE A.J. ; NICHOLS D.K.
CLSS: U
CONN: 28 043 AMC 02431 (E)
CORP: ARMY/ELECTRONICS LABORATORIES (FORT MONMOUTH-NEW JERSEY)
DATE: 6706
DESC: Simulation Facilities Techniques TREE
DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits
DESC: SUMMARY
REPN: C 7 420.1/501 ; ECOM 02431 2
SUJO: 3-222-000 ; 4-272-000
TITL: RADIATION EFFECTS ON THIN-FILM INTEGRATED CIRCUITS
ELEMENTS (U) 25 P
(U)
TREE: 320

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06348
.endblock
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copy: 1 id: 41236-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06357
 ADNO: 384587L
 AUTH: SHNIDER R.W. ; CASSIDY S.H.
 CLSS: SRD
 CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CALIFORNIA)
 DATE: 6707
 DESC: Nuclear Weapon Environment Initial Gamma source strength total
 intensity
 DESC: Nuclear Weapon Environment Fallout isotope concentrations
 DESC: Nuclear Weapon Effects on animals ionizing radiation chronic
 DESC: Nuclear Weapon Effects on animals thermal ocular effects
 DESC: Nuclear Weapon Environment Infrared Output source strength total
 intensity
 DESC: Nuclear Weapon Environment Prompt Neutron source strength total
 fluence
 DESC: THEORY
 DESC: Nuclear Weapon Environment Fallout gamma intensities spectra
 DESC: Nuclear Weapon Environment Thermal Output source strength total
 intensity
 DESC: Nuclear Weapon Environment fallout intensity contours patterns
 DESC: Nuclear Warfare Theater operations scenarios battlefield environment
 L1
 REPN: USNRDL TR 67 097
 SHOT: SMALLBOY
 TSHO: LOW-ALT ; SURFACE
 SUJO: 1-110-000 ; 1-210-000 ; 1-310-000 ; 1-710-000 ;
 2-223-100 ;
 2-223-200 ; 2-225-100 ; 3-312-200 ; 3-313-200 ;
 3-411-200
 TEMP: 55758
 TITL: PREDICTION OF NUCLEAR WEAPON EFFECTS FOR A FRACTIONAL-KILOTON LOW
 AIR BURST (U), 31 P (SRD)
 TNFF: 4825
 .block
 06357
 .endblock
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 copy: 1 id: 41240-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 06358

AUTH: BELL J.E. ; CARR E.A. ; EMMERT R.R. ; HONNOLD V.R. ;
 KERRIS K.G. ;
 MARSHALL R.W. ; PERKINS C.W.
 CLSS: U
 CORP: HUGHES AIRCRAFT COMPANY (FULLERTON-CALIFORNIA)
 DATE: 6705
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers
 DESC: Nuclear Weapon Effects electronic pieceparts integrated
 circuits
 DESC: THEORY EXPERIMENTAL
 REPN: FR 67 10 610
 SUJO: 3-221-000 ; 3-222-000
 TITL: RADIATION EFFECTS IN MAJORITY CARRIER DEVICES (U), 172
 P (U)
 TREE: 310 ; 320
 .block
 06358
 .endblock
 .block
 copy: 1 id: 41241-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 06364
 AUTH: KNOX J.B. ; TEWES H.A. ; CRAWFORD T.V. ; GIBSON T.A. JR.
 CLSS: SRD
 CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
 DATE: 6705
 DESC: Nuclear Weapon Environment fallout intensity contours
 patterns
 DESC: THEORY EXPERIMENTAL
 DESC: Nuclear Weapon Environment Fallout Particles size
 distribution
 DESC: Nuclear Weapon Phenomenology cloud Motion
 DESC: Nuclear Weapon Environment Fallout isotope
 concentrations
 REPN: UCRL 50230
 SHOT: KLUCKITAT ; PALANQUIN ; SEDAN ; DANNY BOY ; APPLE-2 ;
 ZUCCHINI
 TSHO: UG-CONTAINED ; UG-VENTED ; LOW-ALT
 SUJO: 2-222-300 ; 2-223-100 ; 2-224-000 ; 2-225-100
 TEMP: 55623
 TITL: RADIOACTIVITY RELEASED FROM UNDERGROUND NUCLEAR
 DETONATIONS, SOURCE,
 TRANSPORT, DIFFUSION, AND DEPOSITION (U), 120 P (SRD)
 .block
 06364
 .endblock
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 copy: 1 id: 41246-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06373
ADNO: 659982
AUTH: MARTIN S.B. ; RENNER R.H. ; JONES R.E.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6707
DESC: THEORY EXPERIMENTAL
DESC: Nuclear Weapon Effects structures aboveground cities
REPN: USNRDL TR 67 114
SUJO: 3-252-000
TITL: APPLICATION OF FIRE FUNDAMENTALS TO MODELS OF MACROSCALE
PHENOMENA
FROM NUCLEAR WEAPON BURSTS (U), 65 P (U)

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06373

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copy: 1 id: 41248-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06388
ADNO: 659981
AUTH: JONES R.E. ; MARTIN S.B. ; RENNER R.H.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6705
DESC: SUMMARY
DESC: Nuclear Weapon Environment Thermal Output source
strength total
intensity
DESC: Nuclear Weapon Environment Thermal Output rate
DESC: Absorption Spectrum Transmission Opacity of Natural
Heated Air
DESC: Nuclear Weapon Environment Airblast static overpressure
OVERPRESSURE
REPN: USNRDL TR 67 113
TSHO: LOW-ALT ; HI-ALT ; MULTIPLE
SUJO: 1-210-000 ; 1-240-000 ; 2-611-000 ; 5-200-000
TITL: NUCLEAR WEAPON BURST PARAMETERS GOVERNING URBAN FIRE
VULNERABILITY
(U), 41 P (U)

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06388

.endblock

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copy: 1 id: 41250-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06532
ADNO: 664759
AUTH: FODERARO A. ; KENNEY E. ; LUCKOW T. ; SIMON J.
CLSS: U
CONN: DA 18 035 AMC 712 (A)
CORP: PENNSYLVANIA STATE UNIVERSITY (UNIVERSITY
PARK-PENNSYLVANIA) ;
ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD
ARSENAL-MARYLAND)
DATE: 6712
DESC: EXPERIMENTAL TABULAR
DESC: Simulation Facilities Techniques nuclear radiation
fallout
simulation
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra
REPN: NDL TR 100 ; NUC E 28
SUJO: 2-223-200 ; 4-242-000
TITL: EFFECTS OF SURFACE IRREGULARITIES ON RADIATION LEVELS
(U), 107 P (U)

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06532

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copy: 1 id: 41344-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06544
ADNO: 664758
AUTH: CRIMMINS T.W. ; GIBSON N.N. ; PELLETIER A.M. ; JACOBSON
J.R.
CLSS: U
CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD
ARSENAL-MARYLAND)
DATE: 6801
DESC: test instruments nuclear radiation gamma
DESC: EXPERIMENTAL
REPN: NDL TR 94
SUJO: 4-341-000
TITL: EXPOSURE-RATE DEPENDENCE OF SELECTED GAMMA DOSIMETERS
(U), 32 P (U)

TREE: 651 ; 655
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06544

.endblock

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copy: 1 id: 41352-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06551
ADNO: 660655
AUTH: PASCUAL J.N. ; FREILING E.C.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6707
DESC: Nuclear Weapon Environment fallout fractionation
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra
DESC: EXPERIMENTAL
REPN: USNRDL TR 67 116
SHOT: SMALLBOY
TSHO: LOW-ALT
SUJO: 2-223-200 ; 2-223-500
TITL: FRACTIONATION VERSUS PARTICLE TYPE IN NUCLEAR SURFACE
SHOT SMALL
BOY, DIFFERENCES IN RADIOCHEMICAL COMPOSITION BETWEEN
FRITTED AND
SPHEROIDAL PARTICLES (U), 22 P (U)

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06551

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copy: 1 id: 41365-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06558
ADNO: 387130L
AUTH: MANLEY O. ; CARPENTER J. ; SMITH H. ; FINN R. ; HARRISON
R.
CLSS: SRD
CCDE: XDEP
CONN: AF 19 (628) 5996
CORP: AMERICAN SCIENCE AND ENGINEERING INCORPORATED
(CAMBRIDGE-MASSACHUSETTS) ; AIR FORCE/CAMBRIDGE RESEARCH
LABORATORIES (BEDFORD-MASSACHUSETTS)
DATE: 6708
DESC: Radiation Transport x-ray
DESC: CODE THEORY
DESC: Cross Sections x-ray
DESC: Nuclear Weapon Phenomenology ionization mechanisms
chemistry x-ray
DESC: Nuclear Weapon Phenomenology Fireball
DESC: Nuclear Weapon Phenomenology High-Altitude induced
airglow
fluorescence
REPN: AFCRL 67 0542
SUJO: 2-100-000 ; 2-214-000 ; 2-312-400 ; 9-640-000 ;
9-840-000

TEMP: 57079
TITL: WIDESPREAD OPTICAL/IR EFFECTS FROM HIGH ALTITUDE
DETONATIONS (U),
198 P (SRD)

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copy: 1 id: 41370-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 06561

ADNO: 522 588L

AUTH: FRANK B.V.

CLSS: SRD

CORP: ARMY/PICATINNY ARSENAL (DOVER-NEW JERSEY)

DATE: 6711

DESC: Nuclear Weapon Environment Thermal Output source
strength total
intensity

DESC: Nuclear Weapon Effects materials not systems associated

DESC: Nuclear Weapon Environment Infrared Output source
strength total
intensity

DESC: SUMMARY

DESC: Nuclear Weapon Environment Visible Output source
strength total
intensity

DESC: Nuclear Weapon Effects on plants thermal

DESC: Nuclear Weapon Environment Thermal Output rate

DESC: Nuclear Weapon Environment Ultraviolet Output source
strength total
intensity

DESC: Nuclear Weapon Environment X-ray Output source strength
total

intensity

REPN: SMUPA TK 1023

SHOT: TEAK ; BLUEGILL

TSHO: HI-ALT

SOCE: SPARTAN

SUJO: 1-210-000 ; 1-240-000 ; 1-310-000 ; 1-410-000 ;
1-510-000 ;

1-610-000 ; 3-240-000 ; 3-333-000

TEMP: 55934

TITL: SPARTAN THERMAL RADIATION GROUND DAMAGE STUDY (U), 37 P
(SRD)

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06561

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copy: 1 id: 41372-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06566
AUTH: RUDKIN R.L. ; LAUGHRIDGE F.I.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6712
DESC: test instruments thermal temperature
DESC: EXPERIMENTAL
REPN: USNRDL TR 68 2
SUJO: 4-384-000
TITL: PORTABLE CALORIMETER STATION, (U), 22 P (U)

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copy: 1 id: 41373-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06599
ADNO: 384845L
AUTH: SPANGLER P.S.
CLSS: SRD
CONN: FO 4694 67 C 0098
CORP: AIR FORCE/SPACE AND MISSILE SYSTEMS ORGANIZATION (NORTON
AIR FORCE
BASE-CALIFORNIA) ; AERONUTRONIC DIVISION OF PHILCO
CORPORATION

(NEWPORT BEACH-CALIFORNIA)
DATE: 6708
DESC: Cross Sections gamma
DESC: Nuclear Weapon Effects structures hard launch sites
materials

DESC: Cross Sections neutron
DESC: Cross Sections x-ray
DESC: THEORY
REPN: SRD 4144 ; BSD TR 67 187 1
SUJO: 3-116-200 ; 9-820-000 ; 9-830-000 ; 9-840-000
TEMP: 57023
TITL: INVESTIGATION OF RESPONSE OF SILO STRUCTURES TO INTENSE
NUCLEAR

RADIATION, VOLUME I OF II, INTERIM TECHNICAL REPORT (U),
102 P (SRD)

TREE: 411 ; 412 ; 413

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06599

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copy: 1 id: 41390-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06600
ADNO: 821871L
AUTH: SPANGLER P.S. ; WRIGHT R.S.
CLSS: U
CONN: FO 4694 67 C 0098
CORP: AERONUTRONIC DIVISION OF PHILCO CORPORATION (NEWPORT
BEACH-CALIFORNIA) ; AIR FORCE/SPACE AND MISSILE SYSTEMS

ORGANIZATION

(NORTON AIR FORCE BASE-CALIFORNIA)
DATE: 6708
DESC: Solid Mechanics stress-strain
DESC: Cross Sections neutron
DESC: THEORY
REPN: U 4146 ; BSD TR 67 187 2
SUJO: 9-230-000 ; 9-820-000
TITL: INVESTIGATION OF RESPONSE OF SILO STRUCTURES TO INTENSE
NUCLEAR

RADIATION, VOLUME II OF II, APPENDICES A, B AND C,
INTERIM TECHNICAL
REPORT (U), 54 P (U)
TREE: 412 ; 413

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06600

.endblock

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copy: 1 id: 41391-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06617-P549
AUTH: CROWLEY B.K.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
DATE: 6707
DESC: THEORY
DESC: Simulation Facilities Techniques blast shock airblast
SUJO: 4-211-000
SYMJ: PROCEEDINGS OF THE CONFERENCE ON MILITARY APPLICATIONS
OF BLAST

SIMULATORS, HELD AT THE DEFENCE RESEARCH ESTABLISHMENT,
SUFFIELD,
RALSTON, ALBERTA 18-21 JULY 1967, VOLUME 2 (U), 298 P
(U)

TITL: NUMERICAL SIMULATIONS OF SHOCK TUBES (U), 15 P (U)

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06617-P549

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copy: 1 id: 41431-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06626
ADNO: 385456L
AUTH: BOTHELL L.E. ; STRIBLING D.R.
CLSS: SRD
CONN: DASA 01 67 C 0033
CORP: KAMAN NUCLEAR (COLORADO SPRINGS-COLORADO)
DATE: 6711
DESC: Nuclear Weapon Environment X-ray Output energy spectrum
DESC: Nuclear Weapon Effects electronic pieceparts measuring
devices
sensors detectors
DESC: Nuclear Test Simulation Field Programs experiment design
systems
response
DESC: test instruments thermal temperature
DESC: test instruments test hardware acceleration measurement
DESC: SURVEY
DESC: test instruments test hardware displacement strain
REPN: KN 743 67 5 (R)
SUJO: 1-620-000 ; 3-224-000 ; 4-314-000 ; 4-316-000 ;
4-384-000 ;
4-829-000
TEMP: 57221
TITL: STRUCTURAL INSTRUMENTATION EXPERIMENTS IN RADIATION
ENVIRONMENTS
(U), 88 P (SRD)

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06626

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copy: 1 id: 41444-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06639
ADNO: 665357
AUTH: CRISCO C. ; LADA H.F.
CLSS: U
CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD
ARSENAL-MARYLAND)
DATE: 6801
DESC: test instruments nuclear radiation proton alpha heavy
particle
DESC: test instruments nuclear radiation fallout debris
sampling
collectors
REPN: NDL TR 97
SUJO: 4-343-000 ; 4-345-000
TITL: PLUTONIUM-239 DETERMINATION BY RESIN PAPER ION-EXCHANGE
SEPARATION

AND LIQUID SCINTILLATION COUNTING (U), 24 P (U)

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06639
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copy: 1 id: 41451-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06641
ADNO: 388098L
AUTH: BRIDGES J.E. ; TOULIOS P.P. ; MILLER D.A. ; VALENTINO
A.R. ;
EMBERSON W.C.
CLSS: SRD
CONN: N 00228 66 C 1651 ; N 00228 67 C 0832
CORP: ILLINOIS INSTITUTE OF TECHNOLOGY RESEARCH INSTITUTE
(CHICAGO, IL) ;
NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO,
CA)
DATE: 6705
DESC: Nuclear Weapon Effects electronic pieceparts
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse
EMP
DESC: Nuclear Weapon Effects electrical mechanical cables
wires
DESC: THEORY
DESC: Nuclear Weapon Effects Communications Systems C4
hardware radio
microwave systems
DESC: RF EMP shielding protection
EMPF: 341 ; 420 ; 321 ; 315 ; 410
REPN: USNRDL TRC 67 50
SUJO: 2-510-000 ; 3-132-000 ; 3-220-000 ; 3-231-000 ;
9-810-000
TEMP: 57261
TITL: EMP COUPLINGS IN ANTENNAS AND CABLES AND INDUCED CIRCUIT
EFFECTS,
VOLUME 1, FINAL REPORT (U), 412 P (SRD)

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06641
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copy: 1 id: 41453-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06642
ADNO: 387965L
AUTH: BRIDGES J.E. ; EBSTEIN B. ; WHITEHEAD E.
CLSS: SRD
CONN: N 00228 66 C 1651 ; N 00228 67 C 0832

CORP: ILLINOIS INSTITUTE OF TECHNOLOGY/RESEARCH INSTITUTE
 (CHICAGO, ILLINOIS), NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY
 (SAN FRANCISCO, CALIFORNIA)
 DATE: 6705
 DESC: RF EMP shielding protection
 DESC: Nuclear RDT&E Research Program Descriptions electronic
 vulnerability
 DESC: Nuclear Weapon Effects electronic subsystems analysis
 circuit
 network
 DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse
 EMP
 DESC: Nuclear Weapon Effects Communications Systems C4
 hardware hardware
 DESC: THEORY
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers
 DESC: Nuclear Weapon Effects electrical mechanical cables
 wires
 EMPF: 410 ; 315 ; 420 ; 341
 REPN: USNRDL TRC 67 50
 SUJO: 2-510-000 ; 3-131-000 ; 3-219-000 ; 3-221-000 ;
 3-231-000 ;
 4-170-000 ; 9-810-000
 TEMP: 57260
 TITL: EMP COUPLINGS IN ANTENNAS AND CABLES AND INDUCED CIRCUIT
 EFFECTS,
 VOLUME 2 ADDENDUM (U), 214 P (SRD)
 .block
 06642
 .endblock
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 copy: 1 id: 41454-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock
 INUM: 06649
 ADNO: 828233
 AUTH: WELLS M.B. ; COLLINS D.G.
 CLSS: U
 CCDE: LITE III
 CONN: DA 28 043 AMC 00240 (E)
 CORP: RADIATION RESEARCH ASSOCIATES INCORPORATED (FORT
 WORTH-TEXAS) ;
 ARMY/ELECTRONICS LABORATORIES (FORT MONMOUTH-NEW JERSEY)
 DATE: 6802
 DESC: Absorption Spectrum Transmission Opacity of Natural
 Heated Air
 DESC: THEORY CODE
 DESC: Nuclear Weapon Environment Thermal Output source

strength total

intensity

DESC: Composition Chemistry Atmosphere Reaction Rates

REPN: RRA T 77 ; ECOM 00240 3

SUJO: 1-210-000 ; 5-200-000 ; 5-400-000

TITL: MONTE CARLO STUDIES OF LIGHT TRANSPORT IN A MODEL
AFTERNOON TROPICAL

ATMOSPHERE, INTERIM REPORT NO. 3, 1 FEB. 31 AUG. 1967

(U), 154 P (U)

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06649

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copy: 1 id: 41461-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06682

AUTH: GREER C.R. ; HALBLEIB J.A. ; WALKER J.V.

CLSS: U

CCDE: SPECTRA

CORP: SANDIA CORPORATION (ALBUQUERQUE-NEW MEXICO)

DATE: 6712

DESC: test instruments nuclear radiation neutron

DESC: CODE

REPN: SC RR 67 746

SUJO: 4-342-000

TITL: TECHNIQUE FOR UNFOLDING NEUTRON SPECTRA FROM ACTIVATION
MEASUREMENTS

(U), 95 P(U)

TREE: 652

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06682

.endblock

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copy: 1 id: 41487-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06689

AUTH: CONNOR T.R.

CLSS: U

CORP: LOS ALAMOS SCIENTIFIC LABORATORY (LOS ALAMOS-NEW MEXICO)

DATE: 6705

DESC: nuclear test detection atmospheric fluorescence
detection

DESC: EXPERIMENTAL

REPN: LA 3754

SUJO: 4-918-000

TITL: 1965 ARPA-AEC JOINT LIGHTNING STUDY AT LOS ALAMOS.
VOLUME 1 THE

LIGHTNING SPECTRUM. CHARGE TRANSFER IN LIGHTNING.

EFFICIENCY OF
CONVERSION OF ELECTRICAL ENERGY INTO VISIBLE RADIATION
(U), 32 P (U)

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06689

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copy: 1 id: 41492-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06691

AUTH: YOUNG F.H. ; KILLEEN P.A. ; PRITCHETT J.W. ; SCHUERT
E.A.

CLSS: C

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)

DATE: 6710

DESC: Nuclear Weapon Environment radiation decay gamma decay

DESC: TABULAR

DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra

REPN: USNRDL TR 68 1

TSHO: UW

SUJO: 2-223-200 ; 2-223-420

TEMP: 57343

TITL: RADIOLOGICAL EFFECTS FROM UNDERWATER NUCLEAR EXPLOSIONS
(U), 52 P

(C)

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06691

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06696

ADNO: 386070

AUTH: MANLEY O.P. ; CARPENTER J.W. ; FINN R.S. ; SMITH H.L. ;
WHITNEY C.

CLSS: SRD

CCDE: XRCOMP

CONN: DA 19 020 AMC 00539 (R)

CORP: AMERICAN SCIENCE AND ENGINEERING INCORPORATED
(CAMBRIDGE-MASSACHUSETTS)

DATE: 6705

DESC: THEORY TABULAR CODE

DESC: Radiation Transport x-ray

DESC: Nuclear Weapon Phenomenology ionization mechanisms
chemistry x-ray

REPN: ASE 1625

SUJO: 2-312-400 ; 9-640-000
 TEMP: 79444
 TITL: DEPOSITION AND TRANSPORT OF NUCLEAR WEAPONS RADIATION IN
 THE ATMOSPHERE, FINALREPORT (U), 139 P (SRD)
 TREE: 980
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 06696
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 copy: 1 id: 41498-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 06708
 ADNO: 829453L
 AUTH: KAULUM K.W.
 CLSS: U
 CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
 FRANCISCO-CALIFORNIA)
 DATE: 6801
 DESC: Nuclear Weapon Phenomenology cloud columns stems
 DESC: HYDRA SIMULATION ; EXPERIMENTAL
 DESC: Simulation Facilities Techniques nuclear radiation
 fallout simulation
 DESC: Nuclear Weapon Phenomenology plumes spray domes
 DESC: Nuclear Weapon Environment Water Shock bubbles L1
 DESC: Simulation Facilities Techniques blast shock water shock
 L1
 DESC: Nuclear Weapon Environment fallout transport L2
 UNDERWATER
 DESC: Nuclear Weapon Environment fallout transfer L1
 DESC: test instruments nuclear radiation fallout debris
 sampling collectors
 REPN: USNRDL TR 68 17
 TSHO: UW
 SUJO: 2-224-110 ; 2-224-130 ; 2-224-200 ; 2-224-300 ;
 2-636-000 ;
 4-213-000 ; 4-242-000 ; 4-345-000
 TITL: HYDRA PROGRAM; HYDRA 2B Series--Transfer and
 Distribution of Traced
 Explosion Products to the Columns Produced by Shallow
 Underwater Explosions on the Bottom (U), 75 P., (U)
 .block
 06708
 .endblock
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 copy: 1 id: 41508-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06739
ADNO: 826431
AUTH: PATTMAN J.D.R. ; DEWAR M.M. ; TATE P.A.
CLSS: U
CORP: DEFENCE RESEARCH BOARD/CHEMICAL, BIOLOGICAL AND
RADIATION LABORATORIES (OTTAWA-CANADA)
DATE: 6708
DESC: Nuclear Weapon Environment Thermal Output source
strength total
intensity
DESC: EXPERIMENTAL
LA: CANADA
REPN: 530
SHOT: DISTANT PLAIN
SUJO: 1-210-000
TITL: OPERATION DISTANT PLAIN, 1966 EVENTS 1 AND 2 A THERMAL
RADIATION AND
FIREBALL TEMPERATURES (U), 31 P (U)

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06739

.endblock

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copy: 1 id: 41537-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06754
AUTH: KELLY J.G.
CLSS: U
CORP: SANDIA CORPORATION (ALBUQUERQUE-NEW MEXICO)
DATE: 6803
DESC: THEORY
DESC: test instruments nuclear radiation gamma
REPN: SC RR 67 855
SUJO: 4-341-000
TITL: COMPTON DIODES THEORY AND CONJECTURES (U), 63 P (U)
TREE: 651

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06754

.endblock

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copy: 1 id: 41547-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06756
AUTH: GRIFF N. ; DERKSEN W.L.
CLSS: SFRD
CORP: NAVY/NAVAL APPLIED SCIENCE LABORATORY (BROOKLYN-NEW

YORK)
 DATE: 6706
 DESC: Nuclear Weapon Environment Infrared Output energy
 spectrum
 DESC: Nuclear Weapon Environment Visible Output energy
 spectrum
 DESC: EXPERIMENTAL
 REPN: P R 17
 SHOT: TANANA ; NAMBE ; ENCINO ; CALAMITY ; CHAMA ; HOUSATONIC
 ; HARLEM ;
 YESO
 TSHO: LOW-ALT
 SUJO: 1-320-000 ; 1-420-000
 TEMP: 57530
 TITL: RELATIVE SPECTRAL POWER DISTRIBUTION OF THERMAL
 RADIATION FROM LOW
 ALTITUDE NUCLEAR DETONATIONS AT THE TIME OF FIRST AND
 SECOND MAXIMUM
 (U), 25 P (SFRD)
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 06756
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 copy: 1 id: 41549-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock
 INUM: 06760
 ADNO: 389251L
 AUTH: BADE W.L. ; ATKINSON A.L. ; YOS J.M.
 CLSS: SRD
 CONN: AF 04 (694) 990
 CORP: AVCO CORPORATION (WILMINGTON-MASSACHUSETTS) ; AIR
 FORCE/SPACE AND
 MISSILE SYSTEMS ORGANIZATION (LOS ANGELES-CALIFORNIA)
 DATE: 6711
 DESC: Nuclear Weapon Effects reentry systems RV
 DESC: SUMMARY
 DESC: Radiation Transport x-ray
 REPN: SAMSO TR 67 121 VOL. 2 ; AVMSD 0852 67 RR VOL. 2
 SUJO: 3-113-000 ; 9-640-000
 SYMJ: NORTON AIR FORCE BASE, CALIFORNIA 92409
 TEMP: 57537
 TITL: RADIATION DAMAGE STUDY PHASE 2 (RADS 2) FINAL REPORT.
 VOLUME 2
 SUPPLEMENT TOTHE SURVEY OF X-RAY PHENOMENOLOGY
 PREDICTION TECHNIQUES
 (U), 48 P (SRD)
 TREE: 980
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 06760
 .endblock
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copy: 1 id: 41553-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06765
ADNO: 387431
AUTH: MURRAY W.W. ; RICH H.L. ; ARMSTRONG W. ; KSANDA C. ; FOX
E.L. ; HUNT
R.J.
CLSS: S
CORP: NAVY/NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER
(WASHINGTON-D.C.) ;
NAVY/NAVALSHIP ENGINEERING CENTER, (CADEROCK-MARYLAND)
; NAVY/NAVAL
RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA) ; JOHNS
HOPKINS UNIVERSITY/APPLIED PHYSICS LABORATORY (SILVER
SPRING-MARYLAND)
DATE: 6704
DESC: Nuclear Weapon Effects ship systems surface ships
DESC: Nuclear Weapon Effects missile systems tactical
DESC: EXPERIMENTAL
REPN: NSRDC S 2639
SUJO: 3-112-300 ; 3-122-000
TEMP: 57525
TITL: NEED FOR PROTECTION OF NAVY SURFACE-TO-AIR MISSILE
SYSTEMS AGAINST
BLAST AND SHOCK (U), 135 P (S)

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06765
.endblock
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copy: 1 id: 41558-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06772
ADNO: 386187L
AUTH: SPILLMAN G.R. ; PROCTOR W.A.
CLSS: SRD
CCDE: RADISH-5 ; LUDWIG ; SORS ; WOTAN ; TAMALE ; SHELL ;
SPUTTER ;
KEYSTONE
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
BASE-NEW MEXICO)
DATE: 6712
DESC: THEORY TABULAR CODE
DESC: Nuclear Weapon Environment Thermal Output source
strength total
intensity
DESC: Nuclear Weapon Phenomenology Fireball Internal Pressure
Temperature

Density Particle Velocities
 DESC: Fluid Mechanics hydrodynamics
 DESC: Nuclear Weapon Phenomenology High-Altitude debris
 coupling distribution energy spectrum
 DESC: Radiation Transport thermal
 DESC: Nuclear weapon test yield
 REPN: AFWL TR 67 128
 SHOT: CHECKMATE ; KEY STONE
 TSHO: HI-ALT
 SUJO: 1-210-000 ; 2-130-000 ; 2-211-000 ; 4-835-000 ;
 9-410-000 ;
 9-610-000
 TEMP: 57430
 TITL: THEORETICAL PREDICTION OF NUCLEAR WEAPON OUTPUT, A
 PROGRESS REPORT
 (U), 195 P (SRD)
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 .endblock
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 copy: 1 id: 41563-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock
 INUM: 06774
 AUTH: LONG D.M. ; BAER R.D.
 CLSS: U
 CCDE: SCEPTRE ; MOS-1
 CONN: DA 28 043 AMC 01520 (E)
 CORP: MARTIN MARIETTA CORPORATION (BALTIMORE-MARYLAND) ;
 ARMY/ELECTRONICS
 COMMAND (FORT MONMOUTH-NEW JERSEY)
 DATE: 6712
 DESC: Simulation Facilities Techniques TREE
 DESC: Simulation Facilities Techniques nuclear radiation
 reactors isotopic
 sources
 DESC: CODE EXPERIMENTAL
 DESC: Nuclear Weapon Effects electronic pieceparts integrated
 circuits
 REPN: ECOM 01520 F ; MND 3264 F
 SUJO: 3-222-000 ; 4-241-000 ; 4-272-000
 TITL: RADIATION EFFECTS ON INSULATED GATE FIELD EFFECT (MOS)
 INTEGRATED
 CIRCUITS, FINAL REPORT (U), 194 P (U)
 TREE: 320 ; 325
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 06774
 .endblock
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 copy: 1 id: 41565-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06784
ADNO: 828587
CLSS: U
CCDE: PHOTRAN
CONN: AF 29 (601) 7249
CORP: UNION CARBIDE CORPORATION/SPACE SCIENCES AND ENGINEERING
LABORATORY
(WHITE PLAINS-NEW YORK) ; AIR FORCE/WEAPONS LABORATORY
(KIRTLAND AIR
FORCE BASE-NEW MEXICO)
DATE: 6801
DESC: Radiation Transport gamma
DESC: CODE
DESC: Radiation Transport x-ray
REPN: AFWL TR 65 171 VOL 4 ; UCC DSSD 23
SUJO: 9-620-000 ; 9-640-000
TITL: PHOTRAN, A GENERAL PURPOSE PHOTON TRANSPORT PROGRAM IN
COMPLEX
GEOMETRY, VOLUME 4 MODIFICATION I PROGRAM (U), 488 P (U)
TREE: 960 ; 980

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06784

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copy: 1 id: 41572-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06785
AUTH: EVANS J.E. ; JOHNSON R.G. ; MEYEROTT R.E.
CLSS: U
CONN: NONR 3398 (00)
CORP: LOCKHEED MISSILES AND SPACE COMPANY (PALO
ALTO-CALIFORNIA)
DATE: 6801
DESC: test instruments nuclear radiation beta electron beams
DESC: test instruments UV
DESC: test instruments nuclear radiation proton alpha heavy
particle
DESC: test instruments visible
DESC: Emission Spectra of the Atmosphere
DESC: ionospheric properties during storms disturbances
DESC: EXPERIMENTAL
REPN: 8 79 68 1
SUJO: 4-343-000 ; 4-344-000 ; 4-381-000 ; 4-382-000 ;
5-600-000 ;
5-720-000
TITL: AURORAL INPUT-OUTPUT EXPERIMENT, FINAL TECHNICAL REPORT
FOR PERIOD 1
APRIL 1961 TO 31 JANUARY 1968 (U), 280 P (U)

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06785
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copy: 1 id: 41573-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06839
AUTH: BUTKOVICH T.R.
CLSS: CFRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
DATE: 6803
DESC: TABULAR
DESC: Nuclear Weapon Environment Ground Shock motion strain
fracture
displacement particle velocity
DESC: Environmental Conditions at Nuclear Weapon Test Site
geology
REPN: UCRL 50401
SHOT: SCROLL
TSHO: UG-CONTAINED
SUJO: 2-621-000 ; 4-842-000
TEMP: 57601
TITL: PROJECT SCROLL PRESHOT ANALYSIS (U), 32 P (CFRD)

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06839
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copy: 1 id: 41597-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06856
ADNO: 832426
AUTH: TRIPLETT J.R.
CLSS: U
CCDE: HECTIC
CONN: F 29601 67 C 0014
CORP: GULF GENERAL ATOMIC INCORPORATED (SAN DIEGO-CALIFORNIA)
; AIR
FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NEW
MEXICO)
DATE: 6804
DESC: THEORY CODE
DESC: Fluid Mechanics hydrodynamics
DESC: Radiation Transport thermal
REPN: GA 7764 VOL 2 ; AFWL TR 67 131 VOL 2
SUJO: 9-410-000 ; 9-610-000
TITL: NUCLEAR EXPLOSION INTERACTION STUDIES. VOLUME 2
TWO-DIMENSIONAL CODE
DEVELOPMENT (U), 320 P (U)

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06856
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copy: 1 id: 41605-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06857
ADNO: 832247
AUTH: TRIPLETT J.R.
CLSS: U
CCDE: OUTPUT
CONN: F 29601 67 C 0014
CORP: GULF GENERAL ATOMIC INCORPORATED (SAN DIEGO-CALIFORNIA)
; AIR FORCE
WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NEW MEXICO)
DATE: 6804
DESC: Radiation Transport x-ray
DESC: Fluid Mechanics hydrodynamics
DESC: CODE THEORY
DESC: Radiation Transport gamma
REPN: GA 7764 VOL 3 ; AFWL TR 67 131 VOL 3
SUJO: 9-410-000 ; 9-620-000 ; 9-640-000
TITL: NUCLEAR EXPLOSIONS INTERACTION STUDIES. VOLUME 3 THE
OUTPUT CODE
(U), 195 P (U)
TREE: 980

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copy: 1 id: 41606-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06865
ADNO: 389830
AUTH: LOWRY J. ; SCHERMERHORN D.
CLSS: SRD
CCDE: MISA
CONN: F 04695 67 C 0158
CORP: AEROSPACE CORPORATION (SAN BERNARDINO-CALIFORNIA) ; AIR
FORCE/SPACE
AND MISSILE SYSTEMS ORGANIZATION (NORTON AIR FORCE
BASE-CALIFORNIA)
DATE: 6803
DESC: Radiation Transport gamma
DESC: Radiation Transport neutron
DESC: CODE THEORY
REPN: TR 0158 (S 3855 41) 2 ; SAMSO TR 68 189
SUJO: 9-620-000 ; 9-650-000

TEMP: 57650
 TITL: MASS INTEGRAL SCALING APPROXIMATION (MISA), A PROGRAM
 FOR THE DETERMINATION OF ATMOSPHERIC LEVELS OF TIME INTEGRATED
 FLUX (U), 49 P
 (SRD)
 TREE: 980
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock
 INUM: 06873
 ADNO: 668251
 AUTH: HOUSEMAN B.L. ; MARZOCCHI B.E.
 CLSS: U
 CONN: AT (49 7) 2883 ; GRANT DA AMC 18 035 94 (A)
 CORP: GOUCHER COLLEGE (TOWSON-MARYLAND) ; ARMY/NUCLEAR DEFENSE
 LABORATORY (EDGEWOOD ARSENAL-MARYLAND)
 DATE: 6805
 DESC: Simulation Facilities Techniques nuclear radiation
 fallout
 simulation
 DESC: Nuclear Weapon Environment Fallout Formation mechanics
 DESC: EXPERIMENTAL
 REPN: NDL TR 106
 SUJO: 2-221-000 ; 4-242-000
 TITL: INFLUENCE OF SUBSTRATE TEMPERATURE ON THE STICKING
 COEFFICIENT OF
 ZINC ON GLASS (U), 25 P (U)
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 copy: 1 id: 41615-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock
 INUM: 06925
 ADNO: 667225
 AUTH: LINER R.T. JR.
 CLSS: U
 CONN: N 60921 7164
 CORP: GENERAL ELECTRIC COMPANY/MISSILE AND SPACE DIVISION
 (KING OF PRUSSIA-PENNSYLVANIA)
 DATE: 6712
 DESC: Radiation Transport

DESC: THEORY
REPN: R 67 SD 68
SUJO: 9-600-000
TITL: MOMENT AND DISCRETE ORDINATE METHODS IN RADIATIVE
TRANSFER PROBLEMS
(U), 24 P (U)

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copy: 1 id: 41634-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06928

ADNO: 667236

AUTH: PARKER W.J.

CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)

DATE: 6710

DESC: Nuclear Weapon Effects structures aboveground cities

REPN: USNRDL TR 67 150

SUJO: 3-252-000

TITL: URBAN MASS FIRE SCALING CONSIDERATIONS (U), 158 P (U)

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copy: 1 id: 41636-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06938

AUTH: RAPP E.G.

CLSS: CFRD

CCDE: SOC ; TENSOR

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)

DATE: 6805

DESC: Nuclear Weapon Environment Ground Shock craters
excavations

DESC: Nuclear Weapon Environment Ground Shock cavities
subsidence collapse

DESC: SUMMARY CODE THEORY

REPN: UCRL 50427

TSHO: UG-VENTED

SUJO: 2-625-000 ; 2-627-000

TEMP: 57931

TITL: VENTING MECHANISMS AND BURIAL CRITERIA (U), 15 P (CFRD)

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06938

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copy: 1 id: 41650-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06943
ADNO: 833957
AUTH: CAHILL R.J.
CLSS: U
CCDE: PHOTRAN
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
BASE-NEW MEXICO)
DATE: 6806
DESC: Radiation Transport gamma
DESC: CODE
REPN: AFWL TR 65 171 VOL 4 SUPP.
SUJO: 9-620-000
TITL: PHOTRAN VOLUME 4 MODIFICATION 1 PROGRAM SUPPLEMENT (U),
20 P (U)
TREE: 960

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06943
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copy: 1 id: 41653-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06944
ADNO: 668670
AUTH: GROSS D.J.
CLSS: U
CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD
ARSENAL-MARYLAND)
DATE: 6805
DESC: Solid Mechanics
DESC: EXPERIMENTAL
DESC: test instruments nuclear radiation fallout debris
sampling
collectors
REPN: NDL TR 103
SUJO: 4-345-000 ; 9-200-000
TITL: REVERSED-PHASE CHROMATOGRAPHIC SEPARATION AND LIQUID
SCINTILLATION
DETERMINATION OF PLUTONIUM (U), 24 P (U)

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06944
.endblock
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copy: 1 id: 41654-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06950
AUTH: ANDING D.
CLSS: 0
CONN: DAHC 15 67 C 0062
CORP: UNIVERSITY OF MICHIGAN (ANN ARBOR-MICHIGAN)
DATE: 6805
DESC: Absorption Spectrum Transmission Opacity of Natural
Heated Air
DESC: THEORY
DESC: Emission Spectra of the Atmosphere
REPN: 8416 21 F 4
SUJO: 5-200-000 ; 5-600-000
TITL: EIGHTH ANNUAL REPORT OF THE BALLISTIC MISSILE RADIATION
ANALYSIS
CENTER, 17 OCT. 1966 THROUGH 31 OCT. 1967, VOLUME
4-CALCULATIONS OF
ATMOSPHERIC SPECTRAL RADIANCE FOR SLANT PATHS FROM
SEVERAL ALTITUDES
(U), 26 P (O)

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06950

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copy: 1 id: 41660-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 06951
AUTH: YODER R.E. ; KALLIS G.
CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA) ;
JOINT TASK
FORCE EIGHT (WASHINGTON-D.C.)
DATE: 6805
DESC: Nuclear Test Simulation Field Programs
DESC: HANDBOOK
REPN: 68 171
SHOT: MINERAL WATER
TSHO: HI-ALT
SUJO: 4-800-000
TEMP: 57785
TITL: MINERAL WATER HIGH ALTITUDE EVENT INTERIM SAFETY STUDY
(U), 212 P
(SRD)

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copy: 1 id: 41661-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06953
AUTH: HALL E.C. ; FECTEAU M.L. ; ROE C.L.
CLSS: U
CONN: SD 91
CORP: UNIVERSITY OF MICHIGAN (ANN ARBOR-MICHIGAN)
DATE: 6805
DESC: test instruments IR
REPN: 4613 105 T
SUJO: 4-383-000
TITL: MEASUREMENT OF THE TIME-VARYING COMPONENT OF RADIATION
FROM INFRARED
SOURCES, REPORT OF BAMIRAC (U), 43 P (U)

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copy: 1 id: 41663-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06956
AUTH: BLADE W.L. ; DOLINSKY A.A.
CLSS: SRD
CCDE: DAFFER 2
CONN: AF 04 (694) 990
CORP: AVCO CORPORATION (WILMINGTON-MASSACHUSETTS) ; AIR
FORCE/SPACE AND
MISSILE SYSTEMS ORGANIZATION (NORTON AIR FORCE
BASE-CALIFORNIA)
DATE: 6711
DESC: CODE THEORY
DESC: Nuclear Weapon Effects reentry systems RV
DESC: Nuclear Weapon Effects materials plastics resins
DESC: Radiation Transport x-ray
DESC: Nuclear Weapon Effects materials metals alloys
REPN: SAMSO TR 67 121 VOL.. 3 ; AVMSD 0852 67 RR VOL 3
SUJO: 3-113-000 ; 3-243-000 ; 3-244-000 ; 9-640-000
TEMP: 57845
TITL: RADIATION DAMAGE STUDY PHASE 2 (RADS 2) FINAL REPORT.
VOLUME 3
RADIATION TRANSPORT AND DEPOSITION, THE DAFFER 2 CODE
(U), 404 P

(SRD)

TREE: 980

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.endblock

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copy: 1 id: 41664-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 06974
ADNO: 825638L
AUTH: HUEBUSCH I.O.
CLSS: U
CONN: 510.007 (NWER)
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CALIFORNIA)
DATE: 6711
DESC: Nuclear Weapon Environment fallout intensity contours patterns
DESC: TABULAR
DESC: Nuclear Weapon Environment fallout down fraction
REPN: USNRDL TR 67 147
TSHO: WATER-SURFACE
SUJO: 2-225-100 ; 2-225-200
TITL: FALLOUT PREDICTIONS FOR WATER-SURFACE NUCLEAR BURSTS (U), 27 P (U)

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06974

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copy: 1 id: 41676-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 06986
AUTH: WALKER K.R. ; CARR E.A. ; BELL J.E. ; CREPPS J.R. ; SMITH D.B. ;
SPEHAR G.C.
CLSS: U
CONN: N 0028 67 C 0835
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CALIFORNIA)
DATE: 6802
DESC: THEORY EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts transistors diodes

silicon-controlled rectifiers
REPN: FR 67 10 624 ; USNRDL TRC 68 3
SUJO: 3-221-000
TITL: PREDICTING TRANSISTOR PHOTOCURRENT USING AVALANCHE THEORY, FINAL
REPORT (U), 165 P (U)

TREE: 310

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06986

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copy: 1 id: 41702-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 06999
AUTH: BOYRIE E.A. ; GILBERT F.C.
CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
DATE: 6803
DESC: Nuclear weapon test yield
DESC: Nuclear weapon test device physical operation
construction geometry
materials components
DESC: Nuclear Weapon Environment X-ray Output energy spectrum
DESC: Nuclear weapon test placement including cab construction
for actual
detonation
DESC: TABULAR EXPERIMENTAL
DESC: Nuclear Weapon Phenomenology High-Altitude debris
coupling
distribution energy spectrum
DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise
Rates
DESC: Nuclear Weapon Phenomenology Fireball Internal Pressure
Temperature
Density Particle Velocities
REPN: UCRL 50402
SHOT: CHECKMATE
TSHO: HI-ALT
SOCE: DEV-8
SUJO: 1-620-000 ; 2-110-000 ; 2-130-000 ; 2-211-000 ;
4-833-000 ;
4-835-000 ; 4-836-000
TEMP: 59015
TITL: CLASSIFIED TITLE (U), 45 P (SRD)

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06999

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copy: 1 id: 41726-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07001
ADNO: 835013L
AUTH: ALVARES N.J. ; WILTSHIRE L.L.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6805
DESC: Nuclear Weapon Effects materials fibers textiles
DESC: EXPERIMENTAL
REPN: USNRDL TR 68 56
SUJO: 3-242-000
TITL: IGNITION AND FIRE SPREAD IN A THERMAL RADIATION FIELD

(U), 41 P (U)

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07001

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copy: 1 id: 41728-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 07002

AUTH: ARON F.W.

CLSS: CFRD

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)

DATE: 6804

DESC: Nuclear Weapon Environment Ground Shock cavities
subsidence collapse

DESC: OAKLAND ; EXPERIMENTAL

DESC: Nuclear Weapon Environment fallout from venting

REPN: M 3679 C 73 ; UCRL 50413

SHOT: DEAD ; CLSHOT-02 ; WHITE ; CLSHOT-28 ; CLSHOT-30 ;
CLSHOT-24 ;

CASSELMAN ; CLSHOT-34 ; CLSHOT-37 ; CLSHOT-01 ; SATSOP
; CLSHOT-25 ;

GREYS ; FORE ; OCONTO ; CLSHOT-08 ; KLINKITAT ; TURF ;
CLSHOT-14 ;

REX ; COMMODORE ; YARD ; DURYEA ; HEILMAN ; FAULTLESS

TSHO: UG-CONTAINED

SUJO: 2-224-400 ; 2-627-000

TEMP: B8519

TITL: EXTENT OF UPWARD TRAVEL OF RADIOACTIVITY IN CHIMNEYS

CREATED BY

UNDERGROUND NUCLEAR EXPLOSIONS (U), 14 P (CFRD)

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07002

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copy: 1 id: 41729-1001 library: DOCUMENT price: \$.00

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created: 12/27/1991 type: REPORT permanent

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INUM: 07028

ADNO: 389620

CLSS: SRD 1

CORP: ARMY MISSILE COMMAND (REDSTONE ARSENAL, AL)

DATE: 6803

DESC: Nuclear Weapon Effects missile systems L1 TREE EMP

DESC: SURVEY

EMPF: 790

SUJO: 3-112-000

TEMP: 59159

TITL: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON
ARMY GUIDED

MISSILE ELECTRONIC SYSTEMS (U), 566 P., (SRD)

TREE: 440

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copy: 1 id: 41738-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 07028-003

AUTH: DAVIDSON C.N.

CLSS: SRD 1

CORP: ARMY COMBAT DEVELOPMENTS COMMAND, INSTITUTE OF NUCLEAR STUDIES (FORT BLISS TEX)

DATE: 6803

DESC: Nuclear RDT&E Research Program Descriptions integrated effects

system studies L1 TREE X RAY EMP

DESC: SUMMARY

SUJO: 4-160-000

SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON ARMY GUIDED

MISSILE ELECTRONIC SYSTEMS

TITL: ARMY'S REQUIREMENTS FOR RADIATION EFFECTS INFORMATION AND THEIR RELATIONSHIP TO THE R+D PROCESS (U), 9 P., (SRD)

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07028-003

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 07028-013

AUTH: CONNOLLY T.W. ; SMITH R.E.W.

CLSS: SRD 1

CORP: KAMAN NUCLEAR (COLORADO SPRINGS, COLO)

DATE: 6803

DESC: Nuclear Weapon Environment Prompt Neutron energy spectrum L5

DESC: TABULAR

DESC: Nuclear Weapon Environment X-ray Output source strength total

intensity L1

DESC: Nuclear Weapon Environment X-ray Output energy spectrum L5

TSHO: HI-ALT

SUJO: 1-120-000 ; 1-610-000 ; 1-620-000

SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON

ARMY GUIDED

MISSILE ELECTRONIC SYSTEMS
TITL: RADIATION RESPONSE REQUIREMENTS FOR MISSILE ELECTRONIC
SYSTEMS (U),
17 P., (SRD)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 07028-031
AUTH: SCHNEIDER W.P.
CLSS: SRD 1
CORP: ARMY COMBAT DEVELOPMENTS COMMAND, INSTITUTE OF NUCLEAR
STUDIES (FORT
BLISS TEX)
DATE: 6803
DESC: SUMMARY
DESC: Nuclear Weapon Effects missile systems strategic L5
SYSTEM

REQUIREMENTS
SUJO: 3-112-100
SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON
ARMY GUIDED

MISSILE ELECTRONIC SYSTEMS
TITL: CRITERIA FOR THE PROTECTION OF EQUIPMENT AGAINST NUCLEAR
WEAPONS
EFFECTS (U), 15 P., (SRD)

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copy: 1 id: 41741-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 07028-047
AUTH: DYE D.L.
CLSS: U
CORP: BOEING CO (SEATTLE WASH)
DATE: 6803
DESC: SUMMARY TABULAR
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes

silicon-controlled rectifiers L1 TREE
SUJO: 3-221-000
SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON
ARMY GUIDED

MISSILE ELECTRONIC SYSTEMS

TITLE: RADIATION EFFECTS (TREE) STANDARDS APPLICABLE TO
HARDENED MISSILE

DESIGN (U), 13 P., (U)

TREE: 620

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07028-047

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copy: 1 id: 41742-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 07028-061

AUTH: OSWALD R.B. JR. ; EISEN H.A. ; SCHALLHORN D.R.

CLSS: SRD 1

CORP: HARRY DIAMOND LABS (WASHINGTON DC)

DATE: 6803

DESC: SIMULATION (E BEAM) ; EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes

silicon-controlled rectifiers L1 TREE X RAY

SUJO: 3-221-000

SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON
ARMY GUIDED

MISSILE ELECTRONIC SYSTEMS

TITLE: THERMOMECHANICAL DAMAGE IN CONTEMPORARY SEMICONDUCTOR
DEVICES (U),

25 P., (SRD)

TREE: 310

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07028-061

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copy: 1 id: 41743-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 07028-087

AUTH: EVANS E.J.

CLSS: U

CORP: FELTMAN RESEARCH LABS (PICATINNY ARSENAL, DOVER NJ)

DATE: 6803

DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes

silicon-controlled rectifiers L5 X RAY

DESC: SUMMARY

SUJO: 3-221-000

SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECT ON
ARMY GUIDED

MISSILE ELECTRONIC SYSTEMS

TITLE: AMORPHOUS SEMICONDUCTORS (U), 16 P., (U)

TREE: 310

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07028-105
AUTH: TRIMMER P.A.
CLSS: SRD 1
CORP: HARRY DIAMOND LABS (WASHINGTON DC)
DATE: 6803
DESC: SIMULATION (E BEAM) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors vacuum tubes dielectrics relays switches L1 SOLDER
JOINTS X RAY
SUJO: 3-229-000
SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON
ARMY GUIDED MISSILE ELECTRONIC SYSTEMS
TITL: EFFECTS OF ENERGY DEPOSITION IN ELECTRONIC COMPONENTS
(U), 18 P., (SRD)
TREE: 390

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07028-107
AUTH: HAAS W.J.
CLSS: SRD 1
CORP: ARMY MOBILITY EQUIPMENT RESEARCH AND DEVELOPMENT CENTER
(FORT BELVOIR, VA)
DATE: 6803
DESC: THEORY TABULAR
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse
EMP L1
EMPF: 223
TSHO: SURFACE
SUJO: 2-510-000
SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON
ARMY GUIDED MISSILE ELECTRONIC SYSTEMS
TITL: EMP ENVIRONMENT DESCRIPTION--SURFACE BURST (U), 10 P.,
(SRD)

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  created: 12/27/1991  type: REPORT  permanent
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INUM:      07028-125
AUTH:      BALICKI F.W.
CLSS:      S 1
CORP:      HARRY DIAMOND LABS (WASHINGTON DC)
DATE:      6803
DESC:      SIMULATION (PULSE REACTOR, FLASH X RAY) ; EXPERIMENTAL
DESC:      Nuclear Weapon Effects ordnance electroexplosive devices
fuses L1
DESC:      Nuclear Weapon Effects missile systems L1 X RAY TREE
SUJO:      3-112-000 ; 3-162-000
SYMJ:      PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON
ARMY GUIDED
          MISSILE ELECTRONIC SYSTEMS
TITL:      TRANSIENT RADIATION EFFECTS ON A TRANSISTORIZED FM/CW
PROXIMITY FUZE
          (U), 15 P., (S)
TREE:      392
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  copy: 1   id: 41747-1001       library: DOCUMENT   price: $.00
  cat1:    cat2:    home: STACKS   current: STACKS
  created: 12/27/1991  type: REPORT  permanent
.endblock

INUM:      07028-141
AUTH:      ROBERTS J.P.
CLSS:      U
CCDE:      ZZ
CORP:      HARRY DIAMOND LABS (WASHINGTON DC)
DATE:      6803
DESC:      TABULAR
DESC:      Nuclear Weapon Environment Prompt Neutron source
strength total
          fluence L1 112 L1
SUJO:      1-110-000
SYMJ:      TOGETHER WITH PROCEEDINGS OF THE CONFERENCE ON RADIATION
EFFECTS ON
          ARMY GUIDED MISSILE ELECTRONIC SYSTEMS
TITL:      DETERMINATION OF NEUTRON FLUENCE IN A REAL ATMOSPHERE
USING A
          DENSITY INDEPENDENT APPROACH (U), 30 P., (U)
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  07028-141

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copy: 1 id: 41748-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07028-173
AUTH: CASSERLY J. ; LICHTENBERGER F.
CLSS: U
CORP: NUCLEAR ENGINEERING DIRECTORATE (PICATINNY ARSENAL,
DOVER NJ)
DATE: 6803
DESC: SUMMARY
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1 TREE
SUJO: 3-221-000
SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON
ARMY GUIDED
MISSILE ELECTRONIC SYSTEMS
TITL: RADIATION RESPONSE AND CIRCUIT APPLICATIONS OF AMORPHOUS
SEMICONDUCTORS (U), 13 P., (U)
TREE: 310

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07028-173

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copy: 1 id: 41749-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07028-187
AUTH: NIEHAUS D.J.
CLSS: U
CORP: BENDIX RESEARCH LABS (SOUTHFIELD MICH)
DATE: 6803
DESC: Nuclear RDT&E Research Program Descriptions electronic
vulnerability
L1

DESC: Directed Energy Weapons Lasers Effects Electronics L1
DESC: Description No Vulnerability Non-weapon Lasers L1
DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits L1

TREE X RAY
DESC: Simulation Facilities Techniques x-ray effects L1
DESC: SIMULATION (LASER) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes

silicon-controlled rectifiers L1
SUJO: 3-221-000 ; 3-222-000 ; 3-613-110 ; 3-920-000 ;
4-170-000 ;
4-231-000

SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON
ARMY GUIDED

MISSILE ELECTRONIC SYSTEMS
TITL: RESULTS OF LASER SIMULATION TESTS AND NEUTRON PREDICTION
ANALYSIS OF

MICROCIRCUITS AND TRANSISTORS (U), 19 P., (U)

TREE: 310 ; 320

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07028-187

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 07028-219

AUTH: WYATT W.T.

CLSS: S 1

CCDE: ZZ

CORP: ARMY MOBILITY EQUIPMENT RESEARCH AND DEVELOPMENT CENTER
(FORT

BELVOIR VA)

DATE: 6803

DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse
EMP L9

DESC: TABULAR

TSHO: HI-ALT

SUJO: 2-510-000

SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON
ARMY GUIDED

MISSILE ELECTRONIC SYSTEMS

TITL: NUCLEAR EMP ENVIRONMENT DESCRIPTION--HIGH ALTITUDE BURST
(U), 5 P.,

(S)

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copy: 1 id: 41751-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 07028-225

AUTH: MILLER D.A. ; TOULIOS P.P.

CLSS: SRD 1

CORP: IIT RESEARCH INSTITUTE (CHICAGO, IL.)

DATE: 6803

DESC: Nuclear Weapon Effects Communications Systems C4
hardware radio

microwave systems L1 EMP

DESC: TABULAR THEORY

EMPF: 321

SUJO: 3-132-000
 SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON
 ARMY GUIDED
 MISSILE ELECTRONIC SYSTEMS
 TITL: TRANSIENT ELECTROMAGNETIC WAVE COUPLING INTO SYSTEMS
 (U), 20 P.,
 (SRD)
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 07028-247
 AUTH: BOMBARDT J.N. JR. ; RENNER A.F. ; KLEBERS J.
 CLSS: U
 CORP: ARMY MOBILITY EQUIPMENT RESEARCH AND DEVELOPMENT CENTER
 (FORT
 BELVOIR, VA)
 DATE: 6803
 DESC: Nuclear Weapon Effects electrical mechanical cables
 wires L1 EMP
 DESC: TABULAR
 EMPF: 315
 SUJO: 3-231-000
 SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON
 ARMY GUIDED
 MISSILE ELECTRONIC SYSTEMS ARMY MOBILITY EQUIPMENT
 RESEARCH AND
 DEVELOPMENT CENTER, FORT BELVOIR VA
 TITL: REVIEW OF EMP INTERACTION WITH SYSTEMS ANALYTIC THEORY
 (U), 17 P.,
 (U)
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 07028-265
 AUTH: BOSTAK R.J. ; CAREY H.R.
 CLSS: SRD 1
 CORP: ARMY MOBILITY EQUIPMENT RESEARCH AND DEVELOPMENT CENTER
 (FORT
 BELVOIR, VA)
 DATE: 6803
 DESC: SUMMARY
 DESC: Simulation Facilities Techniques EMP L1

EMPF: 718
SUJO: 4-271-000
SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON
ARMY GUIDED

MISSILE ELECTRONIC SYSTEMS
TITL: REVIEW OF EMP EXPERIMENTAL TECHNIQUES (U), 10 P., (SRD)
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07028-265
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copy: 1 id: 41754-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07028-277
AUTH: MINDEL I.N. ; BRIDGES J.E.
CLSS: SRD 1
CORP: IIT RESEARCH INSTITUTE (CHICAGO, IL.)
DATE: 6803
DESC: SUMMARY
DESC: Nuclear Weapon Effects electronic pieceparts L1 PROGRAM
FOR

PROTECTION EMP
EMPF: 790
SUJO: 3-220-000
SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECT ON
ARMY GUIDED

MISSILE ELECTRONIC SYSTEMS
TITL: SYSTEMS CONSIDERATIONS FOR EMP PROTECTION (U), 25 P.,
(SRD)
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07028-277
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07028-303
AUTH: TOMPKINS J.E. ; ROSADO J.A.
CLSS: SRD 1
CORP: HARRY DIAMOND LABS (WASHINGTON, DC)
DATE: 6803
DESC: Nuclear Weapon Effects structures aboveground models
plates slabs L1

DESC: Nuclear Weapon Effects missile systems L1 IEMP
DESC: THEORY
EMPF: 391
SUJO: 3-112-000 ; 3-259-300
SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON
ARMY GUIDED
MISSILE ELECTRONIC SYSTEMS

TITL: INTERNAL EMP (U), 19 P., (SRD)
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07028-323
AUTH: BRADDOCK J.V. ; CALDERAZZO M.D. ; LEPOER K.T.
CLSS: S 1
CORP: BRADDOCK, DUNN AND MCDONALD INC (EL PASO, TX)
DATE: 6803
DESC: Nuclear Weapon Effects electronic subsystems analysis
circuit
network L1 CIRCUITS CODE APPLICATIONS NO DATA
DESC: SUMMARY
EMPF: 330
SUJO: 3-219-000
SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON
ARMY GUIDED

MISSILE ELECTRONIC SYSTEMS
TITL: APPLICATION OF THE TREE CODES TO EMP PROBLEMS (U), 13
P., (S)

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copy: 1 id: 41757-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07028-337
AUTH: DINGER D.B.
CLSS: S 1
CORP: ARMY MOBILITY EQUIPMENT RESEARCH AND DEVELOPMENT CENTER
(FORT
BELVOIR, VA)
DATE: 6803
DESC: SUMMARY
DESC: Nuclear RDT&E Research Program Descriptions electronic
vulnerability
L1
EMPF: 799
SUJO: 4-170-000
SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON
ARMY GUIDED

MISSILE ELECTRONIC SYSTEMS
TITL: PERSHING PIA SPECIAL TEST PROGRAM (U), 7 P., (S)
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07028-337

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07028-345
AUTH: TOMPKINS J.E. ; ROSADO J.A. ; GILBERT R.M. ; DENT J.R.
CLSS: SRD 1
CORP: HARRY DIAMOND LABS (WASHINGTON DC)
DATE: 6803
DESC: SUMMARY
DESC: Nuclear Weapon Effects reentry systems RV electronics L1
IONIZATION
EFFECTS ON RV RADAR
DESC: Nuclear Weapon Effects radar systems effects fuzing L1
SUJO: 2-322-450 ; 3-113-300
SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON
ARMY GUIDED
MISSILE ELECTRONIC SYSTEMS
TITL: FIREBALL REFLECTIVITY EFFECTS ON RADAR FUZING (U), 12
P., (SRD)

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07028-345

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copy: 1 id: 41759-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07028-359
AUTH: MCINGVALE P.H.
CLSS: S 1
CORP: ARMY MISSILE COMMAND (REDSTONE ARSENAL ALA)
DATE: 6803
DESC: Nuclear Weapon Effects missile systems tactical L1 TREE
SUJO: 3-112-300
SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON
ARMY GUIDED

MISSILE ELECTRONIC SYSTEMS
TITL: EFFECTS OF NEUTRON RADIATION ON THE LANCE CONTROL SYSTEM
ELECTRONICS
(U), 18 P., (S)

TREE: 392

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07028-359

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copy: 1 id: 41760-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07028-379
AUTH: RUWE V.W.
CLSS: S 1
CORP: ARMY MISSILE COMMAND (REDSTONE ARSENAL ALA)
DATE: 6803
DESC: Nuclear Weapon Effects missile systems tactical L1 TREE
SUJO: 3-112-300
SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON
ARMY GUIDED

MISSILE ELECTRONIC SYSTEMS
TITL: NUCLEAR SUSCEPTIBILITY STUDY OF THE LANCE POWER SUPPLY
ELECTRONICS

(U), 17 P., (S)

TREE: 392

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07028-379

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copy: 1 id: 41761-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 07028-397
AUTH: BEHRENS W.V.
CLSS: C
CORP: HARRY DIAMOND LABS (WASHINGTON DC)
DATE: 6803
DESC: Nuclear Weapon Effects missile systems tactical L1 TREE
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes

silicon-controlled rectifiers L1

SUJO: 3-112-300 ; 3-221-000

SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON
ARMY GUIDED

MISSILE ELECTRONIC SYSTEMS
TITL: EVALUATION OF THE EFFECTS OF PULSED NEUTRON RADIATION ON
THE

SHILLELAGH MISSILE SYSTEM (U), 25 P., (C)

TREE: 392

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07028-397

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cat1: cat2: home: STACKS current: STACKS

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INUM: 07028-423
AUTH: MATTHEWS H.J. III
CLSS: SRD
CORP: HARRY DIAMOND LABS (WASHINGTON DC)
DATE: 6803

DESC: Nuclear Weapon Effects missile systems tactical L1 TREE
SUJO: 3-112-300
SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON
ARMY GUIDED

MISSILE ELECTRONIC SYSTEMS
TITL: TRANSIENT RADIATION EFFECTS ON THE SERGEANT MISSILE
SYSTEM (U), 23
P., (SRD)
TREE: 392

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 07028-447
AUTH: HOLEMAN J.L.
CLSS: U
CCDE: CIRCUS ; NET-1 ; SCEPTRE
CORP: ARMY MISSILE COMMAND (REDSTONE ARSENAL, AL)
DATE: 6803
DESC: Nuclear Weapon Effects electronic subsystems analysis
circuit

network L1 TREE

DESC: TABULAR
EMPF: 330
SUJO: 3-219-000
SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON
ARMY GUIDED

MISSILE ELECTRONIC SYSTEMS
TITL: COMPUTER-AIDED CIRCUIT ANALYSIS (U), 25 P., (U)
TREE: 330

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07028-473
AUTH: STEWART R.F. ; BUTCHER D.T. ; TERRIS I.
CLSS: U
CORP: HUGHES AIRCRAFT CO (CULVER CITY CA)
DATE: 6803
DESC: Nuclear Weapon Effects electronic subsystems computers
memory L1

TREE

SUJO: 3-212-000
SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON

ARMY GUIDED

MISSILE ELECTRONIC SYSTEMS

TITL: APPROACH TO HARDENING A MICROELECTRONIC DIGITAL COMPUTER
(U), 21 P.,

(U)

TREE: 341

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07028-473

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 07028-495

AUTH: FLAGG P.B. ; SULLIVAN D.C.

CLSS: SRD 1

CORP: IBM FEDERAL SYSTEMS DIVISION (OWEGO NY)

DATE: 6803

DESC: Nuclear Weapon Effects electronic subsystems computers
memory L1

TREE

SUJO: 3-212-000

SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON
ARMY GUIDED

MISSILE ELECTRONIC SYSTEMS

TITL: RADIATION HARDENING STUDIES (U), 24 P., (SRD)

TREE: 341

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 07028-521

AUTH: COLOFF S.G.

CLSS: SRD 1

CORP: AIR FORCE WEAPONS LAB (KIRTLAND AFB NM)

DATE: 6803

DESC: Cross Sections x-ray L1

DESC: EXPERIMENTAL

SHOT: MIDI MIST

TSHO: UG CONTAINED

SUJO: 9-840-000

SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON
ARMY GUIDE

MISSILE ELECTRONIC SYSTEMS

TITL: CURRENT RADIATION HARDENING TECHNIQUES (U), 16 P., (SRD)

TREE: 413

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copy: 1 id: 41767-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 07028-539
CLSS: U
CORP: ARMY MISSILE TEST AND EVALUATION DIRECTORATE (WHITE
SANDS MISSILE RANGE NM)
DATE: 6803
DESC: Simulation Facilities Techniques nuclear radiation
reactors isotopic
sources L1
DESC: SUMMARY
DESC: Simulation Facilities Techniques TREE L1
SUJO: 4-241-000 ; 4-272-000
SYMJ: PROCEEDINGS OF THE CONFERENCE ON RADIATION EFFECTS ON
ARMY GUIDE
MISSILE ELECTRONIC SYSTEMS
TITL: CHARACTERISTIC OF NUCLEAR EFFECTS BRANCH RADIATION
FACILITIES AND
OPERATIONAL PROCEDURES (U), 21 P., (U)
TREE: 642

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07028-539
.endblock
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copy: 1 id: 41768-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 07029
ADNO: 831244L
AUTH: RINNERT H.R.
CLSS: U
CCDE: POOL-TRAVERSAL
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6802
DESC: THEORY CODE
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra
DESC: Nuclear Weapon Environment fallout transfer
REPN: USNRDL TR 68 31
TSHO: UW
SUJO: 2-223-200 ; 2-224-300
TITL: MAXIMUM EXPOSURE RATE AND TOTAL EXPOSURE FOR AN
EARLY-TIME
SUBSURFACE TRAVERSAL OF A RADIOACTIVE POOL (U), 52 P (U)

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copy: 1 id: 41769-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 07030
ADNO: 830340L
AUTH: LACAYO H. JR. ; SULLIVAN M.A.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6710
DESC: Civil Defense shelters L1
DESC: Simulation Facilities Techniques nuclear radiation
fallout
simulation
DESC: EXPERIMENTAL
REPN: USNRDL TR 68 3
SUJO: 3-474-000 ; 4-242-000
TITL: SIGNIFICANCE OF FALLOUT INGRESS INTO SHELTERS (U), 65 P
(U)

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07030
.endblock
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copy: 1 id: 41770-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 07041
ABS: Quantitative estimates are derived for prompt casualties
and delayed
radiation casualties among troops in foxholes subjected
to nuclear
air bursts, utilizing biological response mechanisms
presented in
USNRDL TR-905 as inputs to methodology derived in USNRDL
TR-895.
Sensitivity analyses are performed to show the effect on
prompt and
delayed casualties of varying various free-field weapons
effects and
foxhole-shielding representations, biological response
representations, and attack criteria and parameters. The
results are
intended to provide a more meaningful basis for
determining the
requirements for weapons effects information in support
of nuclear

land-warfare operations.
 ADNO: 389542L
 AUTH: MOSTOW W. ; LAUMETS E.
 CLSS: C
 CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CALIFORNIA)
 DATE: 6801
 DESC: Nuclear Weapon Environment Initial Gamma source strength total
 intensity
 DESC: Nuclear Warfare Theater operations scenarios vulnerability L1
 DESC: Target Analysis civilians population at risk casualties L1
 DESC: Nuclear Weapon Effects on animals ionizing radiation prompt
 DESC: Nuclear Weapon Environment Prompt Neutron source strength total
 fluence
 DESC: SUMMARY THEORY TABULAR
 DESC: Nuclear Weapon Effects animals
 DESC: Nuclear Weapon Environment Airblast static overpressure OVERPRESSURE
 REPN: USNRDL TR 68 12
 SUJO: 1-110-000 ; 1-710-000 ; 2-611-000 ; 3-310-000 ; 3-312-100 ;
 3-411-300 ; 3-433-000
 TEMP: 59134
 TITL: ESTIMATES OF DELAYED RADIATION RESPONSE IN NUCLEAR LAND WARFARE (U),
 130 P (C)
 TNFF: 4850
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 07041
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 copy: 1 id: 41781-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 07043
 ADNO: 836488L
 AUTH: COHEN M.O. ; SCHAMBERGER R.D.
 CLSS: U
 CONN: F 29601 67 C 0048
 CORP: UNITED NUCLEAR CORPORATION (ELMSFORD-NEW YORK) ; AIR FORCE/WEAPONS
 LABORATORY (KIRTLAND AIR FORCE BASE-NEW MEXICO)
 DATE: 6806
 DESC: Radiation Transport gamma
 DESC: Radiation Transport neutron
 DESC: THEORY TABULAR
 DESC: Cross Sections neutron

DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse
EMP
DESC: Nuclear Weapon Environment Initial Gamma source strength
total
intensity

EMPF: 240
REPN: AFWL TR 68 013 ; UNC 5194
SUJO: 1-710-000 ; 2-510-000 ; 9-620-000 ; 9-650-000 ;
9-820-000

TITL: ENERGY DEPOSITION RATES AND RADIAL AND POLAR COMPTON
CURRENTS FROM
GAMMA-RAY AND NEUTRON SOURCES IN THE INTERMEDIATE
ALTITUDE RANGE
(U), 140 P (U)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 07044

ADNO: 836780L

AUTH: BROWN R.R. ; HORNE W.E.

CLSS: U

CONN: N 0022867 C 0292

CORP: BOEING AIRCRAFT COMPANY (SEATTLE-WASHINGTON) ;
NAVY/NAVAL

RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)

DATE: 6806

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes

silicon-controlled rectifiers

REPN: USNRDL TRC 68 32 ; D 2 125743 1

SUJO: 3-221-000

TITL: STUDY OF SEMICONDUCTOR RELIABILITY FOLLOWING AN EXPOSURE
TO NUCLEAR

WEAPON GAMMA RADIATION (U), 109 P (U)

TREE: 310

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 07049

ADNO: 671304

MISSILE SYSTEMS ORGANIZATION (NORTON AIR FORCE
BASE-CALIFORNIA)

DATE: 6711
DESC: THEORY EXPERIMENTAL
DESC: Nuclear Weapon Effects reentry systems RV
DESC: Simulation Facilities Techniques x-ray effects
DESC: Cross Sections electron
REPN: SAMSO TR 67 121 VOL 9 ; AVMSD 0852 67 RR VOL 9
SUJO: 3-113-000 ; 4-231-000 ; 9-850-000
TEMP: 59402
TITL: RADIATION DAMAGE STUDY PHASE II (RADS II). VOLUME IX
SIMULATION TEST
TECHNIQUES, FINAL REPORT (U), 348 P (SRD)

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07385

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copy: 1 id: 41942-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 07386

ADNO: 391847L

AUTH: DAVIS G. J. ; KOWALCZYK F. S. ; TAYLOR J. R.

CLSS: SRD

CONN: AF 04 (694) 990

CORP: AVCO CORPORATION (WILMINGTON-MASSACHUSETTS) ; AIR
FORCE/SPACE AND

MISSILE SYSTEMS ORGANIZATION (NORTON AIR FORCE
BASE-CALIFORNIA)

DATE: 6711

DESC: Nuclear Weapon Effects reentry systems RV

DESC: Cross Sections x-ray

DESC: THEORY TABULAR EXPERIMENTAL

REPN: SAMSO TR 67 121 VOL 7 ; AVMSD 0852 67 RR VOL 7 ;

SUJO: 3-113-000 ; 9-840-000

SYMJ: FORCE BASE, CALIFORNIA 92409 .

TEMP: 59403

TITL: RADIATION DAMAGE STUDY PHASE II (RADS II), VOLUME VII
RECENT

ADVANCES IN REENTRY VEHICLE HARDENING TECHNOLOGY, FINAL
REPORT (U),
219 P (SRD)

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copy: 1 id: 41943-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 07463

AUTH: HOLLANDSWORTH C.E. ; BUCHER W.P.
CLSS: U
CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD
ARSENAL-MARYLAND)
DATE: 6806
DESC: test instruments nuclear radiation neutron
DESC: test instruments nuclear radiation gamma
REPN: NDL SP 28
SUJO: 4-341-000 ; 4-342-000
SYMJ: REVIEW OF SCIENTIFIC INSTRUMENTS, 39, NO. 2, 165-168
(1968)
TITL: WIDE-RANGE PULSE-SHAPE DISCRIMINATION SYSTEM (U), 4 P
(U)
TREE: 651
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07049
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copy: 1 id: 41791-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 07050
AUTH: HUBBARD H.W. ; MARCUM J.I.
CLSS: U
CORP: RAND CORPORATION (SANTA MONICA-CALIFORNIA)
DATE: 6806
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra
DESC: Radiation Transport gamma
DESC: Nuclear Weapon Phenomenology High-Altitude debris
coupling
distribution energy spectrum
DESC: TABULAR
REPN: RM 5626
SUJO: 2-212-000 ; 2-223-200 ; 9-620-000
TITL: TRANSPORT CALCULATIONS PERTINENT TO SATELLITE DETECTION
OF DELAYED
GAMMAS FROMAN ATMOSPHERIC NUCLEAR EXPLOSION (U), 37 P
(U)
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07050
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copy: 1 id: 41792-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 07069
ADNO: 391384
AUTH: OLSON J.T.
CLSS: SRD

CONN: AF 04 (694) 990
CORP: AVCO CORPORATION (WILMINGTON-MASSACHUSETTS) ; AIR
FORCE/SPACE AND
MISSILE SYSTEMS ORGANIZATION (NORTON AIR FORCE
BASE-CALIFORNIA)

DATE: 6802
DESC: Nuclear Weapon Effects reentry systems RV
DESC: TABULAR
REPN: AVMSD 0852 67 RR VOL 8-1 ; SAMSO TR 67 121 VOL 8-1
SUJO: 3-113-000
TEMP: 59177
TITL: RADIATION DAMAGE STUDY PHASE 2 (RADS 2). VOLUME 8, PART

1,
CONCEPTUAL DESIGN OF ADVANCED VEHICLES, FINAL REPORT
(U), 89 P (SRD)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 07072
ADNO: 836569L
AUTH: YOUNG F.H.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6801
DESC: Cross Sections gamma
DESC: THEORY EXPERIMENTAL
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra

REPN: USNRDL TR 68 49
SUJO: 2-223-200 ; 9-830-000
TITL: EFFECTIVE ATTENUATION COEFFICIENTS FOR GAMMA EXPOSURE
RATE

CALCULATIONS U 235 FISSION PRODUCT SOURCES IN AIR-WATER
MEDIA (U),
35 P (U)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 07089
ADNO: 671610
AUTH: GLOWER D.D. ; MILLER D.W. ; SCHLOSSER P.S.

CLSS: U
 CONN: DA 18 035 AMC 952 (A)
 CORP: OHIO STATE UNIVERSITY (COLUMBUS-OHIO) ; ARMY/NUCLEAR
 DEFENSE LABORATORY (EDGEWOOD ARSENAL-MARYLAND)
 DATE: 6806
 DESC: test instruments x-ray effects
 DESC: test instruments nuclear radiation gamma
 DESC: THEORY EXPERIMENTAL
 REPN: NDL TR 110 ; RF 1
 SUJO: 4-330-000 ; 4-341-000
 TITL: DEVELOPMENT OF FERROELECTRIC NUCLEAR RADIATION DETECTORS
 (U), 62 P
 (U)
 TREE: 651
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 07089
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 07103
 ADNO: 391470
 AUTH: HERSHAFT A. ; LANDER L.L. ; POLESTRA F.M. ; THEOPHANIS
 G.A.
 CLSS: SRD
 CONN: AF 04 (694) 990
 CORP: AIR FORCE/SPACE AND MISSILE SYSTEMS ORGANIZATION (NORTON
 AIR FORCE BASE-CALIFORNIA) ; AVCO CORPORATION
 (WILMINGTON-MASSACHUSETTS)
 DATE: 6711
 DESC: Nuclear Weapon Effects reentry systems RV
 DESC: TABULAR
 DESC: Solid Mechanics stress-strain
 DESC: equation of state heat of vaporization thermal
 conductivity opacity
 DESC: Nuclear Weapon Effects materials plastics resins
 REPN: AVMSD 0852 67 RR VOL 11 ; SAMSO TR 67 121 VOL 11
 SUJO: 3-113-000 ; 3-244-000 ; 9-230-000 ; 9-710-000
 TEMP: 59247
 TITL: RADIATION DAMAGE STUDY PHASE II (RADS II), VOLUME XI
 ADVANCED TECHNIQUES FOR MATERIAL CHARACTERIZATION, FINAL REPORT
 (U), 148 P
 (SRD)
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 07103
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 copy: 1 id: 41821-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 07104
ADNO: 391526
AUTH: OLSON J.T.
CLSS: SRD
CONN: AF 04 (694) 990
CORP: AVCO CORPORATION (WILMINGTON-MASSACHUSETTS) ; AIR
FORCE/SPACE AND
MISSILE SYSTEMS ORGANIZATION (NORTON AIR FORCE
BASE-CALIFORNIA)
DATE: 6802
DESC: Cross Sections x-ray
DESC: Nuclear Weapon Effects reentry systems RV
DESC: TABULAR
DESC: blast shock Protection
REPN: AVMSD 0852 67 RR VOL 8-2 ; SAMSO TR 67 121 VOL 8-2
SUJO: 3-113-000 ; 9-840-000 ; 9-860-000
TEMP: 59246
TITL: RADIATION DAMAGE STUDY PHASE II (RADS II). VOLUME VIII,
PART 2
CONCEPTUALDESIGN OF ADVANCED VEHICLES, FINAL REPORT (U),
361 P (SRD)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 07118
AUTH: STRAKER E.A.
CLSS: U
CORP: OAK RIDGE NATIONAL LABORATORY (OAK RIDGE-TENNESSEE)
DATE: 6806
DESC: Radiation Transport neutron
DESC: Cross Sections neutron
DESC: EXPERIMENTAL TABULAR
REPN: ORNL TM 2252
SUJO: 9-650-000 ; 9-820-000
TITL: SENSITIVITY OF NEUTRON TRANSPORT IN OXYGEN TO VARIOUS
CROSS-SECTION
SETS (U), 21 P (U)

TREE: 412

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07118

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copy: 1 id: 41828-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
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INUM: 07127
ADNO: 672475
AUTH: GIBSON N.N. ; STUETZER M.
CLSS: U
CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD
ARSENAL-MARYLAND)
DATE: 6806
DESC: test instruments nuclear radiation gamma
DESC: test instruments nuclear radiation dosimeters radiacs
DESC: EXPERIMENTAL
REPN: NDL TR 108
SUJO: 4-341-000 ; 4-346-000
TITL: EVALUATION OF GAMMA DOSIMETRY IN A NUCLEAR REACTOR
ENVIRONMENT (U),
35 P (U)
TREE: 655

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07127

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copy: 1 id: 41832-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 07147
AUTH: GUTHRIE M.P. ; ALSMILLER R.G. JR. ; GURNEY J.
CLSS: U
CORP: OAK RIDGE NATIONAL LABORATORY (OAK RIDGE-TN)
DATE: 6709
DESC: Shielding Protection
DESC: BIBLIOGRAPHY
REPN: ORNL RSIC 11 REV. 1
SUJO: 9-800-000
TITL: BIBLIOGRAPHY, SUBJECT INDEX, AND AUTHOR INDEX OF THE
LITERATURE
EXAMINED BY THE RADIATION SHIELDING INFORMATION CENTER,
SPACE AND
ACCELERATOR SHIELDING (U), 106 P (U)

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copy: 1 id: 41848-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 07164
ADNO: 387488L
AUTH: BETTS R.E. ; THOMAS W.B.

CLSS: SRD
CORP: ARMY/MISSILE COMMAND (REDSTONE ARSENAL-ALABAMA)
DATE: 6710
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects ordnance electroexplosive devices
fuses
REPN: RK TR 67 10
SHOT: MIDI MIST
TSHO: UG-CONTAINED ; HI-ALT
SUJO: 3-162-000
TEMP: 59068
TITL: RADIATION HARDENED SQUIB DEVELOPMENTAL EFFORT AND
TESTING (U), 20 P
(SRD)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 07185
AUTH: MASKEWITZ B.F. ; JACOBS V.A. ; GURNEY J.
CLSS: U
CORP: OAK RIDGE NATIONAL LABORATORY (OAK RIDGE-TENNESSEE)
DATE: 6707
DESC: CODE BIBLIOGRAPHY
REPN: ORNL RSIC 15 REV. 1
TITL: BIBLIOGRAPHY OF THE COMPUTER CODES LITERATURE EXAMINED
BY THE
RADIATION SHIELDING INFORMATION CENTER (U), 68 P (U)

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07185

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copy: 1 id: 41866-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 07370
ADNO: 672474
AUTH: VOGEL E.M.
CLSS: U
CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD
ARSENAL-MARYLAND)
DATE: 6805
DESC: test instruments nuclear radiation gamma
REPN: NDL TM 42
SUJO: 4-341-000
TITL: SELF-POWERED RADIAC INSTRUMENTATION (U), 23 P (U)
TREE: 651

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07370
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copy: 1 id: 41938-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 07384
ADNO: 391808L
AUTH: EVANS R. D. ; CHAMBERS B. ; ROTH R. S.
CLSS: SRD
CONN: AF 04 (694) 990
CORP: AVCO CORPORATION (WILMINGTON-MASSACHUSETTS) ; AIR
FORCE/SPACE AND
MISSILE SYSTEMS ORGANIZATION (NORTON AIR FORCE
BASE-CALIFORNIA)
DATE: 6711
DESC: Nuclear Weapon Effects materials plastics resins
DESC: Nuclear Weapon Environment X-ray Output source strength
total
intensity
DESC: Nuclear Weapon Effects reentry systems RV
DESC: Nuclear Weapon Effects materials metals alloys
DESC: EXPERIMENTAL TABULAR
REPN: AVMSD 0852 67 RR VOL 5 ; SAMSO TR 67 121 VOL 5
SHOT: STARFISH ; MARSHMALLOW ; DOUBLE PLAY ; KINGFISH
TSHO: HI-ALT
SUJO: 1-610-000 ; 3-113-000 ; 3-243-000 ; 3-244-000
TEMP: 59401
TITL: RADIATION DAMAGE STUDY PHASE II (RADS II), VOLUME V
COMPARISON OF
CODE PREDICTIONS WITH TEST RESULTS, FINAL REPORT (U),
202 P (SRD)

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07384
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copy: 1 id: 41941-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07385
ADNO: 391809L
AUTH: AVERELL J.P. ; THEOPHANIS G.A. ; JORDAN L.M. ; LANDER
L.L.JR. ;
SEMAN G.W.
CLSS: SRD
CCDE: ELTRAN
CONN: AF 04 (694) 990
CORP: AVCO CORPORATION (WILMINGTON-MASSACHUSETTS) ; AIR
FORCE/SPACE AND

AUTH: CASHWELL E.D. ; LONGMIRE C. ; NEERGAARD J.R.
 CLSS: U
 CONN: W 7405 ENG 36
 CORP: LOS ALAMOS SCIENTIFIC LABORATORY (LOS ALAMOS-NEW MEXICO)
 DATE: 6804
 DESC: Radiation Transport gamma
 DESC: TABULAR
 DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse
 width
 REPN: LA 3944
 TSHO: HI-ALT
 SUJO: 1-740-000 ; 9-620-000
 TITL: SCATTERING OF GAMMA RAYS IN AN EXPONENTIAL ATMOSPHERE
 (U), 39 P (U)
 TREE: 960
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 07463
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 copy: 1 id: 41947-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 07465
 AUTH: KERRIS K.G. ; AUBUCHON K.G. ; EMMERT R.R. ; HONNOLD V.R.
 ; PERKINS
 C.W.
 CLSS: U
 CONN: NONR 4837 (00)
 CORP: HUGHES AIRCRAFT COMPANY (FULLERTON-CALIFORNIA)
 DATE: 6805
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers
 DESC: THEORY EXPERIMENTAL
 REPN: FR 68 10 518
 SUJO: 3-221-000
 TITL: RADIATION EFFECTS IN MAJORITY CARRIER DEVICES II, THIRD
 ANNUAL
 REPORT (U), 138P (U)
 TREE: 310
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 07506
 ADNO: 670479
 AUTH: SAM D. ; BUNNEY L.R. ; HEATER D.C.

CLSS: U
CCDE: ZZ
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CALIFORNIA)
DATE: 6711
DESC: THEORY SUMMARY
REPN: USNRDL TR 68 47
TITL: GAMMA-RAY PULSE-HEIGHT SPECTRA -FORMATION OF A RESPONSE
MATRIX FOR ITERATIVEUNFOLDING (U), 34 P (U)

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07506

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copy: 1 id: 41960-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 07561

ADNO: 391076L

AUTH: KIRSHENBAUM M.S.

CLSS: SRD

CORP: ARMY/PICATINNY ARSENAL (DOVER-NEW JERSEY)

DATE: 6806

DESC: SUMMARY

DESC: Nuclear Weapon Effects ordnance explosives

EFFT: TREE ; NUCLEAR RADIATION

REPN: TR 3628

SUJO: 3-163-000

TEMP: 59530

TITL: COMPILATION OF THE EFFECTS OF NUCLEAR RADIATION ON
EXPLOSIVES OF
MILITARY INTEREST (U), 276 P (SRD)

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07561

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copy: 1 id: 41962-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 07686

CLSS: CRD

CONN: SNP 1

CORP: AEROJET-GENERAL CORPORATION (SACRAMENTO-CALIFORNIA)

DATE: 6703

DESC: Nuclear Weapon Effects ordnance explosives

DESC: SIMULATION ; EXPERIMENTAL

DESC: Nuclear Weapon Effects ordnance propellants solid

EFFT: NUCLEAR RADIATION ; TREE

REPN: RN S 0368

SUJO: 3-163-000 ; 3-164-000

TEMP: 59607
TITL: PHASE I-A OF THE COUNTERMEASURES RADIATION EFFECTS
PROGRAM, FINAL
TEST REPORT (U), 155 P (CRD)

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created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 07701
ADNO: 833703
AUTH: VRABLIK G.R.
CLSS: U
CONN: DA 19 020 AMC 00429 (X)
CORP: AMERICAN SCIENCE AND ENGINEERING INCORPORATED
(CAMBRIDGE-MASSACHUSETTS)
DATE: 6804
DESC: SUMMARY
DESC: test instruments x-ray effects
DESC: test instruments hardened instruments
DESC: Nuclear Weapon Effects missile systems strategic
DESC: test instruments nuclear radiation
EFFT: X-RAY
REPN: ASE 1641
TSHO: HI-ALT
SUJO: 3-112-100 ; 4-330-000 ; 4-340-000 ; 4-360-000
TITL: DESIGN AND DEVELOPMENT OF A HARDENED NIKE-HERCULES
NOSE-CONE SYSTEM,
FINAL REPORT (U), 189 P (U)

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07701

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copy: 1 id: 41987-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 07709P035
AUTH: JESSEN P.L. ; PRICE H.J.
CLSS: SRD
CORP: KAMAN NUCLEAR (COLORADO SPRINGS-CO)
DATE: 6804
DESC: Nuclear Weapon Effects reentry systems RV
DESC: THEORY
DESC: test instruments IR
EFFT: X-RAY
SUJO: 3-113-000 ; 4-383-000
SYMJ: AMRAC PROCEEDINGS, VOLUME XVIII, PART II, PROJECT
DEFENDER, MEETING

OF 24, 25,26 APRIL 1968, ARLINGTON, VIRGINIA (U), 355 P
(SRD)
TITL: NUCLEAR RADIATION INTERACTIONS WITH OPTICAL SYSTEMS (U),
25 P (SRD)
TREE: 361
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07709P035
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copy: 1 id: 41997-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07726
AUTH: BERG S.
CLSS: U
CCDE: SAND II
CONN: AT (45 1) 1830
CORP: TRW SYSTEMS (REDONDO BEACH-CALIFORNIA) ; BATTELLE
MEMORIAL INSTITUTE
(RICHMOND-WASHINGTON)
DATE: 6808
DESC: test instruments nuclear radiation neutron
DESC: THEORY CODE
REPN: BNWL 855
SUJO: 4-342-000
TITL: MODIFICATION OF SAND II (U), 87 P (U)
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07726
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copy: 1 id: 42017-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07728
ADNO: 670010
AUTH: LANE W.B.
CLSS: U
CONN: N 0022867 C 2037
CORP: STANFORD RESEARCH INSTITUTE (MENLO PARK-CALIFORNIA)
DATE: 6803
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects on plants ionizing radiation
chronic uptake
DESC: Simulation Facilities Techniques nuclear radiation
fallout
simulation
REPN: SRI PROJ MU 6503
SUJO: 3-332-220 ; 4-242-000
TITL: FALLOUT SIMULANT DEVELOPMENT TEMPERATURE EFFECTS ON THE
SORPTION

REACTIONS OF STRONTIUM ON FELDSPAR, CLAY, AND QUARTZ
(U), 49 P (U)

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copy: 1 id: 42018-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 07742

ADNO: 840277

AUTH: TERESI J.D.

CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)

DATE: 6807

DESC: SURVEY

DESC: Nuclear Weapon Effects on animals thermal ocular effects

REPN: USNRDL TR 68 76

SUJO: 3-313-200

TITL: REVIEW OF RESEARCH ON FLASH BLINDNESS (U), 64 P (U)

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07742

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copy: 1 id: 42022-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 07751

ADNO: 819342

AUTH: VON HAZMBURG R.S.

CLSS: U

CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
BASE-NEW MEXICO)

DATE: 6708

DESC: Nuclear Weapon Effects on animals ionizing radiation

prompt

DESC: EXPERIMENTAL

REPN: AFWL TR 67 48

SUJO: 3-312-100

TITL: HEMATOLOGICAL RESPONSES IN SHEEP FOLLOWING PULSED
FISSION-SPECTRUM

NEUTRON RADIATION (U), 16 P (U)

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07751

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copy: 1 id: 42030-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 07752
ADNO: 818971
AUTH: FRANK M. ; TAULBEE C.D.
CLSS: U
CONN: AF 29(601) 7110
CORP: BENDIX CORPORATION (SOUTHFIELD-MICHIGAN) ; AIR
FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NEW MEXICO)
DATE: 6708
DESC: THEORY
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes silicon-controlled rectifiers
EFFT: NEUTRONS
REPN: AFWL TR 67 54
SUJO: 3-221-000
TITL: HANDBOOK FOR PREDICTING SEMICONDUCTOR DEVICE PERFORMANCE
IN NEUTRON RADIATION (U), 180 P (U)
TREE: 310

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07752

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copy: 1 id: 42031-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 07761
ADNO: 815474
AUTH: ANGLETON DR. G.M.
CLSS: U
CONN: AF 29 (601) 6782
CORP: COLORADO STATE UNIVERSITY (FORT COLLINS-COLORADO) ; AIR
FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NEW
MEXICO)
DATE: 6706
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt
REPN: AFWL TR 66 161
SUJO: 3-312-100
TITL: RADIATION RECOVERY STUDIES (U), 71 P (U)

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07761

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copy: 1 id: 42040-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 07763
ADNO: 819866
AUTH: MOORE J.A. ; EGGEN J.B. ; LEOPARD F.O.
CLSS: U
CCDE: RAID
CONN: AF 29 (601) 6643
CORP: GD/FORT WORTH DIVISION (FORT WORTH-TEXAS) ; AIR
FORCE/WEAPONS

LABORATORY (KIRTLAND AIR FORCE BASE-NEW MEXICO)
DATE: 6708
DESC: CODE THEORY
DESC: Cross Sections neutron
DESC: Cross Sections gamma
REPN: AFWL TR 67 9
SUJO: 9-820-000 ; 9-830-000
TITL: MONTE CARLO PROCEDURE FOR ANALYSIS OF RADIATION IN DUCTS
(RAID) (U),

419 P (U)
TREE: 411 ; 412

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07763
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copy: 1 id: 42042-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 07764
ADNO: 839837L
AUTH: HUEBSCH I.O. ; GIALLANZA F.V. ; GALANT D.C.
CLSS: U
CCDE: CLOUDRISE ; SLURRY/PLOTTER
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)

DATE: 6805
DESC: Nuclear Weapon Phenomenology cloud development rise
DESC: Nuclear Weapon Environment fallout Deposition
DESC: Nuclear Weapon Environment fallout transport
DESC: Nuclear Weapon Environment Fallout Particles
DESC: CODE
DESC: Nuclear Weapon Environment Fallout Formation mechanisms
REPN: USNRDL TR 68 61
TSHO: WATER-SURFACE
SUJO: 2-221-000 ; 2-222-000 ; 2-224-100 ; 2-224-200 ;
2-225-000

TITL: WATER-SURFACE-BURST FALLOUT MODEL COMPUTER PROGRAMS (U),
290 P (U)

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07764
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copy: 1 id: 42043-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
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INUM: 07765
AUTH: HUEBSCH I.O. ; GIALLANZA F.A. ; GALANT D.C.
CLSS: U
CCDE: CLOUDRISE ; SLURRY/PLOTTER
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CALIFORNIA)
DATE: 6805
DESC: Nuclear Weapon Environment fallout Deposition
DESC: Nuclear Weapon Phenomenology cloud development rise
DESC: CODE
REPN: USNRDL TR 68 61 APPEN A
SUJO: 2-224-100 ; 2-225-000
TITL: WATER-SURFACE-BURST FALLOUT MODEL COMPUTER PROGRAMS FLOW CHARTS,
APPENDIX A (U), 86 P (U)

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copy: 1 id: 42044-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07766
CLSS: U
CCDE: CLOUSRISE ; SLURRY/PLOTTER
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CALIFORNIA)
DATE: 6711
DESC: Nuclear Weapon Phenomenology cloud development rise
DESC: CODE
DESC: Nuclear Weapon Environment fallout Deposition
REPN: USNRDL TR 68 61 APPEN B
SUJO: 2-224-100 ; 2-225-000
TITL: WATER-SURFACE-BURST FALLOUT MODEL COMPUTER PROGRAMS.
APPENDIX B,
KWIC LIST OF PROGRAMS (U), NO PAGINATION, (U)

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copy: 1 id: 42045-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07795
AUTH: KEAR G.H.
CLSS: SRD
CCDE: SHAPE

CONN: N 00014 67 C 0495
 CORP: LOCKHEED MISSILES AND SPACE COMPANY (PALO
 ALTO-CALIFORNIA)
 DATE: 6806
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers
 DESC: TABULAR THEORY SURVEY
 EFFT: X-RAY
 REPN: LMSC B 230124 REV A
 SUJO: 3-221-000
 TEMP: 59737
 TITL: THERMOMECHANICAL RADIATION DAMAGE TO ELECTRONIC
 COMPONENTS, FINAL
 REPORT (U), 155 P (SRD)
 TREE: 310
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 07795
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 copy: 1 id: 42061-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 07797
 AUTH: BRIDGES J.E.
 CLSS: SRD
 CONN: N 00228 67 C 2077
 CORP: ILLINOIS INSTITUTE OF TECHNOLOGY RESEARCH INSTITUTE
 (CHICAGO, IL) ;
 NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO,
 CA)
 DATE: 6806
 DESC: Nuclear Weapon Effects electronic subsystems
 DESC: Nuclear Weapon Effects electrical mechanical cables
 wires
 DESC: Nuclear Weapon Effects ship systems surface ships
 DESC: Nuclear Weapon Effects Communications Systems C4
 hardware radio
 microwave systems
 DESC: Simulation Facilities Techniques EMP
 DESC: THEORY
 EFFT: EMP
 EMPF: 380 ; 321
 REPN: USNRDL TRC 68 35
 SUJO: 3-122-000 ; 3-132-000 ; 3-210-000 ; 3-231-000 ;
 4-271-000
 TEMP: 59785
 TITL: EMP ANALYSIS AND TESTING, VOL. 1 (U), 184 P, (SRD)
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copy: 1 id: 42063-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07798
AUTH: BURRUS W.R. ; VERBINSKI V.V.
CLSS: U
CORP: OAK RIDGE NATIONAL LABORATORY (OAK RIDGE-TENNESSEE)
DATE: 6806
DESC: test instruments nuclear radiation neutron
DESC: THEORY EXPERIMENTAL
REPN: ORNL TM 2225
SUJO: 4-342-000
TITL: FAST-NEUTRON SPECTROSCOPY WITH THICK ORGANIC
SCINTILLATORS (U), 55 P
(U)
TREE: 652
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07798
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copy: 1 id: 42064-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07799
AUTH: MARSHALL J.D. ; WELLS M.B.
CLSS: U
CORP: RADIATION RESEARCH ASSOCIATES INCORPORATED (FORT
WORTH-TEXAS)
DATE: 6706
DESC: TABULAR
DESC: Cross Sections gamma
REPN: RRA M 71A
SUJO: 9-830-000
TITL: SIMPLIFIED METHOD FOR CALCULATING NEUTRON-CAPTURE AND
FISSION-PRODUCT GAMMA-RAY DOSES INSIDE UNDERGROUND
CONCRETE
STRUCTURES, PAPER TO BE PRESENTED AT THE 13TH ANNUAL
MEETING OF THE
AMERICAN NUCLEAR SOCIETY, SAN DIEGO, CALIFORNIA, JUNE
11-15, 1967
(U), 31 P (U)

TREE: 411

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copy: 1 id: 42065-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07800
AUTH: MOONEY L.G. ; WELLS M.B.
CLSS: U
CORP: RADIATION RESEARCH ASSOCIATES INCORPORATED (FORT
WORTH-TEXAS)
DATE: 6806
DESC: TABULAR
DESC: Cross Sections gamma
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra
REPN: RRA M 85
SUJO: 2-223-200 ; 9-830-000
TITL: CALCULATIONS OF FISSION-PRODUCT GAMMA-RAY DOSES IN
SINGLE-COMPARTMENT ABOVE GROUND CONCRETE STRUCTURES (U),

46 P (U)

TREE: 411

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07800

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 07815
ADNO: 391305
AUTH: BROWN D.F. ; RITTER A.
CLSS: SRD
CONN: DA 28 017 AMC 3230 (A)
CORP: THERM ADVANCED RESEARCH INCORPORATED (ITHACA-NEW YORK)

;

ARMY/PICATINNY ARSENAL (DOVER-NEW JERSEY)

DATE: 6807

DESC: THEORY

DESC: Nuclear Weapon Effects reentry systems RV

DESC: Simulation Facilities Techniques blast shock airblast

DESC: Simulation Facilities Techniques thermal optical

EFFT: THERMAL ; AIRBLAST

REPN: AMC 67 32 ; PATR 3656 ; TR 3656

SUJO: 3-113-000 ; 4-211-000 ; 4-280-000

TEMP: 59800

TITL: SIMULATION STUDY OF RADIATION ABLATION PHENOMENA FOR
BLAST

TRAVERSAL, FINAL REPORT (U), 33 P (SRD)

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copy: 1 id: 42075-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 07825-15
 AUTH: GAGE D.H.
 CLSS: SRD 1
 CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
 BASE-NM)
 DATE: 6806
 DESC: SUMMARY
 DESC: Simulation Facilities Techniques TREE
 DESC: Simulation Facilities Techniques nuclear radiation
 reactors isotopic
 sources
 SUJO: 4-241-000 ; 4-272-000
 SYMJ: PROCEEDINGS OF THE HARDENED RADAR ANTENNA WORKSHOP,
 VOLUME III EMP,
 BLAST AND GROUND SHOCK EFFECTS AND TESTING STATUS OF
 ANTENNA
 HARDENING AND PANEL DISCUSSION (U), CIRCA 140 P (SRD)
 TITL: CAPABILITIES OF NUCLEAR SIMULATION TECHNIQUES AND
 FACILITIES,
 SECTION 15 (U), 16 P (SRD)
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 07825-15
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

INUM: 07866
 ADNO: 826859
 AUTH: FRANK M. ; SWEET R.J.
 CLSS: U
 CONN: AF 29 (601) 7110
 CORP: BENDIX CORPORATION (SOUTHFIELD-MICHIGAN) ; AIR
 FORCE/WEAPONS
 LABORATORY (KIRTLAND AIR FORCE BASE-NEW MEXICO)
 DATE: 6801
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers
 DESC: THEORY EXPERIMENTAL
 EFFT: NUCLEAR RADIATION
 REPN: AFWL TR 67 109 ; R 4173
 SUJO: 3-221-000
 TITL: DEVELOPMENT OF A NONDESTRUCTIVE RADIATION EFFECTS
 PREDICTION
 TECHNIQUE, FINAL REPORT (U), 88 P (U)
 TREE: 649
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 07866
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 copy: 1 id: 42096-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 07867
ADNO: 826143
AUTH: KENNEDY S.O.SR.
CLSS: U
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
BASE-NEW MEXICO)
DATE: 6801
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers
DESC: THEORY SUMMARY
EFFT: NUCLEAR RADIATION
REPN: AFWL TR 67 137
SUJO: 3-221-000
TITL: REVIEW OF RAPID ANNEALING IN NEUTRON IRRADIATED
SEMICONDUCTORS (U),
12 P (U)
TREE: 310

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copy: 1 id: 42097-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 07886
CLSS: SRD
CONN: AF 04 (694) 786
CORP: NORTH AMERICAN ROCKWELL COMPANY/AUTONETICS DIVISION
(ANAHEIM-CALIFORNIA)
DATE: 6804
DESC: Nuclear Weapon Effects materials metals alloys L1
STAINLESS STEEL
OTHER METALS
DESC: Nuclear Weapon Effects materials plastics resins L1
TEFLON
DESC: Nuclear Weapon Effects missile systems strategic
DESC: EXPERIMENTAL SUMMARY
EFFT: X-RAY
SHOT: MILK SHAKE ; MILD WIND
TSHO: UG-CONTAINED
SUJO: 3-112-100 ; 3-243-000 ; 3-244-000
TEMP: 59833
TITL: RADIATION TEST OF PBPS COMPONENTS, INTERIM TEST REPORT
(U), 9 P
(SRD)

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07886

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copy: 1 id: 42114-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 07893
ADNO: 391063
AUTH: KLUCK J.H.
CLSS: SRD 1
CONN: F 04695 67 C 0158
CORP: AEROSPACE CORPORATION (SAN BERNARDINO-CA) ; AIR
FORCE/SPACE AND
MISSILE SYSTEMS ORGANIZATION (NORTON AIR FORCE BASE-CA)
DATE: 6806
DESC: Nuclear Weapon Effects Communications Systems C4
hardware radio
microwave systems
DESC: SURVEY
EFFT: THERMAL
REPN: TR 0158 (S 3855 42) 3 VOL 2 ; SAMSO TR 68 235 VOL 2
SUJO: 3-132-000
TEMP: 59851
TITL: PROCEEDINGS OF THE HARDENED RADAR ANTENNA WORKSHOP,
VOLUME II
THERMAL AND RADIATION EFFECTS (U), CIRCA 120 P (SRD)

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copy: 1 id: 42119-1001 library: DOCUMENT price: \$.00
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created: 12/27/1991 type: REPORT permanent
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INUM: 07893-05
AUTH: THOMAS P.D.
CLSS: SRD 1
CORP: LOCKHEED MISSILES AND SPACE COMPANY (PALO ALTO-CA)
DATE: 6806
DESC: SUMMARY
DESC: Nuclear Weapon Effects reentry systems RV
DESC: Nuclear Weapon Effects structures aboveground buildings
EFFT: THERMAL
SUJO: 3-113-000 ; 3-251-000
SYMJ: PROCEEDINGS OF THE HARDENED RADAR ANTENNA WORKSHOP,
VOLUME II
THERMAL AND RADIATION EFFECTS (U), CIRCA 120 P (SRD)
TITL: THERMAL RADIATION AND ABLATION PHENOMENA, SECTION 5 (U),
23 P (SRD)
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created: 12/27/1991 type: REPORT permanent
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INUM: 07893-06
AUTH: GAMBLE D. ; MAIMONI A.
CLSS: SRD 1
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6806
DESC: SUMMARY EXPERIMENTAL
DESC: blast shock Protection
DESC: Nuclear Weapon Effects reentry systems RV
DESC: equation of state heat of vaporization thermal
conductivity opacity
DESC: Nuclear Weapon Effects materials metals alloys
EFFT: X-RAY
SHOT: MIDI MIST
TSHO: UG-CONTAINED ; HI-ALT
SUJO: 3-113-000 ; 3-243-000 ; 9-710-000 ; 9-860-000
SYMJ: PROCEEDINGS OF THE HARDENED RADAR ANTENNA WORKSHOP,
VOLUME II
THERMAL AND RADIATION EFFECTS (U), CIRCA 120 P (SRD)
TITL: SHOCKLESS MATERIALS FOR SHIELDING WARHEADS AGAINST
NUCLEAR ATTACK,
SECTION 6 (U), 24 P (SRD)

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created: 12/27/1991 type: REPORT permanent
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INUM: 07893-07
AUTH: DAVIS G.J. ; POSSI W.
CLSS: SRD 1
CORP: AVCO CORPORATION (WILMINGTON-MA)
DATE: 6806
DESC: SUMMARY
DESC: Nuclear Weapon Effects materials metals alloys
DESC: Nuclear Weapon Effects Communications Systems C4
hardware radio
microwave systems
DESC: Nuclear Weapon Effects materials ceramics optical
EFFT: X-RAY
SUJO: 3-132-000 ; 3-241-000 ; 3-243-000
SYMJ: PROCEEDINGS OF THE HARDENED RADAR ANTENNA WORKSHOP,
VOLUME II
THERMAL AND RADIATION EFFECTS (U), CIRCA 120 P (SRD)
TITL: COMPARISON OF POTENTIAL NUCLEAR RADIATION ENVIRONMENTS
FOR GROUND

BASED ANTENNAS, SECTION 7 (U), 15 P (SRD)

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created: 12/27/1991 type: REPORT permanent

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INUM: 07893-08
AUTH: DE BOLT H.
CLSS: SRD 1
CORP: AVCO CORPORATION (WILMINGTON-MA)
DATE: 6806
DESC: Nuclear Weapon Effects reentry systems RV
DESC: Nuclear Weapon Effects materials ceramics optical
DESC: SUMMARY
EFFT: THERMAL
SUJO: 3-113-000 ; 3-241-000
SYMJ: PROCEEDINGS OF THE HARDENED RADAR ANTENNA WORKSHOP,
VOLUME II
THERMAL AND RADIATION EFFECTS (U), CIRCA 120 P (SRD)
TITL: THERMAL DESIGN PROCEDURES FOR HARDENED ANTENNA DESIGN
MATERIALS,
SECTION 8 (U), 12 P (SRD)

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07893-08

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created: 12/27/1991 type: REPORT permanent

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INUM: 07893-09
AUTH: BROGREN E.W. ; SYMONDS R.J. ; GREEN L.B.
CLSS: SRD 1
CORP: BOEING COMPANY (SEATTLE-WA)
DATE: 6806
DESC: Nuclear Weapon Effects Communications Systems C4
hardware radio
microwave systems
DESC: SURVEY
DESC: Nuclear Weapon Effects materials metals alloys
EFFT: THERMAL
SUJO: 3-132-000 ; 3-243-000
SYMJ: PROCEEDINGS OF THE HARDENED RADAR ANTENNA WORKSHOP,
VOLUME II
THERMAL AND RADIATION EFFECTS (U), CIRCA 120 P (SRD)
TITL: THERMAL TESTING OF PHASED ARRAY ELEMENTS, SECTION 9 (U),
74 P (SRD)

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created: 12/27/1991 type: REPORT permanent
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INUM: 07893-10
AUTH: NAGELBERG E.R.
CLSS: U
CORP: BELL TELEPHONE LABORATORIES (WHIPPANY-NJ)
DATE: 6806
DESC: SUMMARY
DESC: Nuclear Weapon Effects Communications Systems C4
hardware radio
microwave systems
SUJO: 3-132-000
SYMJ: PROCEEDINGS OF THE HARDENED RADAR ANTENNA WORKSHOP,
VOLUME II
TITL: THERMAL AND RADIATION EFFECTS (U), CIRCA 120 P (SRD)
ARRAY ELECTROMAGNETIC EFFECTS ASSOCIATED WITH HARDENED PHASED
ANTENNAS, SECTION 10 (U), 16 P (U)

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created: 12/27/1991 type: REPORT permanent
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INUM: 07943
ADNO: 391591
AUTH: CROLIUS R.L. ; WALKER B.D. ; WILLIS W.W.
CLSS: SRD
CONN: F 04695 67 C 0158
CORP: AEROSPACE CORPORATION (SAN BERNARDINO-CA)
DATE: 6712
DESC: Nuclear Weapon Effects missile systems
DESC: EXPERIMENTAL
EFFT: X-RAY ; NUCLEAR RADIATION
REPN: TOR 0158 (S 3855 42) 1
SUJO: 3-112-000
TEMP: B8284
TITL: NUCLEAR HARDNESS ASSURANCE TEST PROGRAM (U), 50 P (SRD)
TREE: 610

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created: 12/27/1991 type: REPORT permanent

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INUM: 07961
AUTH: SULLIVAN J.M. JR. ; FENIGER E.J. ; GAMBILL B. ; MCKEE
J.W. ;
KOSTIGEN T. ; MCSHERRY I.
CLSS: U
CCDE: WRECS-III
CONN: DCA 100 67 C 0021
CORP: GENERAL ELECTRIC COMPANY/TEMPO (SANTA
BARBARA-CALIFORNIA)
DATE: 6808
DESC: Nuclear Weapon Effects Communications Systems ELF LF L1
LF VLF
DESC: CODE
REPN: 68 TMP 1
SUJO: 2-322-100
TITL: WRECS III A REVISION OF WRECS II, A FORTRAN CODE FOR
COMPUTATION OF
WEAPON RADIATION EFFECTS ON COMMUNICATION SYSTEMS (U),
319 P (U)

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created: 12/27/1991 type: REPORT permanent

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INUM: 07963
ADNO: 672035
AUTH: PRYOR A.J. ; FEAR F.A. ; WHEELER R.J.
CLSS: U
CONN: N 00228 67 CO 838
CORP: SOUTHWEST RESEARCH INSTITUTE (SAN ANTONIO-TEXAS) ;
NAVY/NAVAL
RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6803
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals thermal burns heating
REPN: SWRI 03 2067 ; NRDL TRC 68 23
SUJO: 3-313-100
TITL: MASS FIRE LIFE HAZARD, EXPERIMENTAL STUDY OF THE LIFE
HAZARD OF
COMBUSTION PRODUCTS IN STRUCTURAL FIRES, FINAL REPORT
(U), 46 P (U)

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created: 12/27/1991 type: REPORT permanent
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INUM: 07985
AUTH: LAMB P. ; SCHALIT L.
CLSS: U
CCDE: DRUDGE
CONN: DASA 01 68 C 0116
CORP: SYSTEMS SCIENCE AND SOFTWARE (LA JOLLA-CALIFORNIA)
DATE: 6810
DESC: Fluid Mechanics hydrodynamics
DESC: CODE
DESC: Radiation Transport
REPN: S 3 SR 32
SUJO: 9-410-000 ; 9-600-000
TITL: PREPARATION OF OPTICAL DATA FOR RADIATION TRANSPORT AND
HYDRODYNAMICS CODE USAGE, VOL. 1 THE DRUDGE CODE SYSTEM

APPLIED TO
DIAPHANOUS-PRODUCED DATA (U), 120 P (U)

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07985
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created: 12/27/1991 type: REPORT permanent
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INUM: 07994
ADNO: 673855
AUTH: LANE W.B. ; LEE H.
CLSS: U
CONN: N 00228 68 C 0158
CORP: STANFORD RESEARCH INSTITUTE (MENLO PARK-CALIFORNIA) ;
NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6802
DESC: Nuclear Weapon Environment fallout Deposition
DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear

radiation transport
DESC: THEORY EXPERIMENTAL
REPN: SRI PROJ MU 6824 ; SRI MU 6824 ; NRDL TRC 68 22
SHOT: FLAMBEAU
SUJO: 2-225-000 ; 4-140-000
TITL: EFFECTS OF MASS FIRES ON FALLOUT DEPOSITION, FINAL
REPORT (U), 25 P
(U)

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INUM:      08004
ADNO:      838255
CLSS:      U
CONN:      DAAG 39 69 C 0001
CORP:      GOVERNMENTAL AFFAIRS INSTITUTE (WASHINGTON-D.C.)
DATE:      6807
DESC:      Simulation Facilities Techniques nuclear radiation
fallout
            simulation
DESC:      SUMMARY
REPN:      TIR 9.4.1.2 ; TIR 9 4 1 2
SUJO:      4-242-000
TITL:      LARGE-AREA RADIAC TRAINER, AN/TDQ-T 1, INTERIM REPORT
(U), 4 P (U)
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    created: 12/27/1991  type: REPORT  permanent
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INUM:      08012
ADNO:      391087L
AUTH:      HAGGMARK L.G. ; GOLDSTEIN N. ; READ P.A.
CLSS:      SRD
CCDE:      MONACO
CORP:      NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
            FRANCISCO-CALIFORNIA)
DATE:      6711
DESC:      Nuclear Weapon Effects reentry systems RV
DESC:      Cross Sections x-ray
DESC:      THEORY EXPERIMENTAL
DESC:      Nuclear Weapon Effects materials coatings laminates
EFFT:      X-RAY
REPN:      USNRDL TR 67 144
SUJO:      3-113-000 ; 3-245-000 ; 9-840-000
TEMP:      61017
TITL:      SHIELDING PROPERTIES OF LAMINAR SLABS CALCULATIONS
COMPARED TO
            MEASUREMENTS (U), 24 P (SRD)
TREE:      413
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    08012
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    created: 12/27/1991  type: REPORT  permanent

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INUM: 08015
ADNO: 390322L
AUTH: SCHULTZ D.F. ; MATUSZEK J.M.
CLSS: SRD
CONN: DA 49 146 XZ 517
CORP: ISOTOPES INCORPORATED (WESTWOOD-NEW JERSEY)
DATE: 6806
DESC: Nuclear Weapon Environment radiation decay isotopic half
lives
DESC: EXPERIMENTAL
DESC: Orbital Mechanics
DESC: nuclear test detection debris fallout
REPN: IWL 1300 134
SUJO: 2-223-410 ; 4-919-000 ; 9-100-000
TEMP: 59990
TITL: DECAY CHARACTERISTICS OF 133XE AND 133M XE, VELA ON-SITE
INSPECTION,
PROJECT 7.19 (U), 15 P (SRD)

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08015

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 08016
ADNO: 834731L
AUTH: BUTLER G. ; SMITH J.T.
CLSS: U
CCDE: TRANSIT RADIATION FOR SHIPS AND AIRCRAFT
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6804
DESC: CODE SUMMARY
DESC: Nuclear Weapon Environment fallout transport
DESC: Nuclear Weapon Environment fallout intensity contours
patterns
DESC: Nuclear Weapon Phenomenology cloud development rise
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra
REPN: USNRDL TR 68 43
SUJO: 2-223-200 ; 2-224-100 ; 2-224-200 ; 2-225-100
TITL: TRANSIT-RADIATION PROGRAM TO PREDICT HAZARDS TO SHIPS
AND AIRCRAFT
IN FALLOUT FROM A LAND-SURFACE BURST (U), 105 P (U)

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08016

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copy: 1 id: 42216-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 08022
ADNO: 868121
AUTH: SCHNURR R.H. ; SOUTHWARD H.D.
CLSS: U
CONN: F 29601 67 C 0051
CORP: UNIVERSITY OF NEW MEXICO (ALBUQUERQUE-NEW MEXICO) ; AIR
FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NEW
MEXICO)
DATE: 6808
DESC: THEORY EXPERIMENTAL
DESC: Orbital Mechanics
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers
EFFT: TREE ; NUCLEAR RADIATION
REPN: AFWL TR 68 31 V.1
SUJO: 3-221-000 ; 9-100-000
TITL: RADIATION EFFECTS ON GALLIUM ARSENIDE DEVICES AND
SCHOTTKY DIODES,
VOLUME I (U), 105 P (U)
TREE: 310
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 08027
ADNO: 842805
AUTH: SOUTHWARD H.D. ; SCHNURR R.H.
CLSS: U
CONN: F 29601 67 C 0051
CORP: UNIVERSITY OF NEW MEXICO (ALBUQUERQUE-NEW MEXICO) ; AIR
FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NEW
MEXICO)
DATE: 6808
DESC: Nuclear Weapon Effects Communications Systems C4
hardware optical
devices sensors IR detectors L1
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers
EFFT: TREE ; NUCLEAR RADIATION
REPN: AFWL TR 68 31 V 2
SUJO: 3-133-000 ; 3-221-000
TITL: RADIATION EFFECTS ON GALLIUM ARSENIDE DEVICES AND

SCHOTTKY DIODES,
VOLUME II (U), 77 P (U)
TREE: 310
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 08035
ADNO: 390908L
AUTH: BODE J.R. ; HAHN G.W. ; JOHNSON T.H.
CLSS: SRD
CCDE: LUDWIG II
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
BASE-NEW MEXICO)
DATE: 6806
DESC: Radiation Transport
DESC: Fluid Mechanics hydrodynamics
DESC: CODE
REPN: AFWL TR 68 29
SUJO: 9-410-000 ; 9-600-000
TEMP: 61063
TITL: LUDWIG II REPORT (U), 236 P (SRD)
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created: 12/27/1991 type: REPORT permanent
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INUM: 08037
ADNO: 390834L
AUTH: HEILFERTY R.J. ; CHRISTIANSON C. ; GRIFF N.
CLSS: U
CONN: AF 33 (657) 8260
CORP: NAVY/NAVAL APPLIED SCIENCE LABORATORY (BROOKLYN-NEW
YORK)
DATE: 6805
DESC: Simulation Facilities Techniques thermal optical
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects Communications Systems C4
hardware radio
microwave systems
EFFT: THERMAL
REPN: PR 7
SUJO: 3-132-000 ; 4-280-000
TEMP: 61065
TITL: DEGRADATION OF MICROWAVE TRANSMISSION CHARACTERISTICS IN

RADOME

PROGRESS MATERIALS DUE TO THERMAL RADIATION FROM NUCLEAR WEAPONS,
REPORT 7 (U), 20 P (S)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 08041

ADNO: 836683

AUTH: JOHNSON E.D. ; KLEINER C.T. ; MCMURRAY L.R. ; STEEL E.L.
; VASSALLO

F.A.

CLSS: U

CCDE: TRAC

CONN: DAAG 39 68 C 0041

CORP: NORTH AMERICAN ROCKWELL COMPANY/AUTONETICS DIVISION
(ANAHEIM-CALIFORNIA)

DATE: 6806

DESC: CODE THEORY

DESC: Nuclear Weapon Effects electronic subsystems analysis
circuit

network

EFFT: X-RAY ; TREE

EMPF: 330

SUJO: 3-219-000

TITL: TRANSIENT RADIATION ANALYSIS BY COMPUTER PROGRAM (TRAC),
VOLUME 1,

USERS GUIDE(U), 181 P (U)

TREE: 330

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created: 12/27/1991 type: REPORT permanent

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INUM: 08042

ADNO: 836684

AUTH: JOHNSON E.D. ; KLEINER C.T. ; MCMURRAY L.R. ; VASSALLO
F.A.

CLSS: U

CCDE: TRAC

CONN: DAAG 39 68 C 0041

CORP: NORTH AMERICAN ROCKWELL COMPANY/AUTONETICS DIVISION
(ANAHEIM-CALIFORNIA)

DATE: 6806

DESC: Nuclear Weapon Effects electronic subsystems analysis
circuit

network

DESC: CODE THEORY

EMPF: 330

REPN: C8 1305/501

SUJO: 3-219-000

TITL: TRANSIENT RADIATION ANALYSIS BY COMPUTER PROGRAM (TRAC),
VOLUME II,

THEORY ANDFLOW GRAPHS (U), 48 P (U)

TREE: 330

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created: 12/27/1991 type: REPORT permanent

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INUM: 08043

ADNO: 391102L

AUTH: THOMAS W.B. ; BETTS R.E.

CLSS: SRD

CORP: ARMY/MISSILE COMMAND (REDSTONE ARSENAL-ALABAMA)

DATE: 6801

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Effects ordnance electroexplosive devices
fuses

DESC: Nuclear Weapon Effects ordnance propellants solid

EFFT: NUCLEAR RADIATION

SHOT: MIDI MIST

TSHO: UG-CONTAINED

SUJO: 3-162-000 ; 3-164-000

TEMP: 61085

TITL: NUCLEAR EFFECTS ON PROPULSION, OPERATION MINUTE GUN,
SHOT MIDI-MIST,

PROJECT OFFICERS REPORT PROJECT 8.34 (PYROTECHNICS) (U),

39 P (SRD)

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created: 12/27/1991 type: REPORT permanent

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INUM: 08045

AUTH: YOS J.M. ; BADE W.L.

CLSS: SRD

CCDE: XIP II

CONN: AF 04 (694) 990

CORP: AIR FORCE/SPACE AND MISSILE SYSTEMS ORGANIZATION (NORTON)

AIR FORCE

BASE-CA) ; AVCO CORPORATION (WILMINGTON-MA)
DATE: 6711
DESC: Nuclear Weapon Effects reentry systems RV
DESC: equation of state heat of vaporization thermal
conductivity opacity
DESC: RADS AL ; CODE THEORY
DESC: Nuclear Weapon Effects materials metals alloys
EFFT: X-RAY
REPN: AVMSD 0852 67 RR VOL 4 ; SAMSO TR 67 121 VOL 4 ; SAMSO
TR 68 330 VOL
4
SUJO: 3-113-000 ; 3-243-000 ; 9-710-000
TEMP: 61115
TITL: RADIATION DAMAGE STUDY PHASE II (RADS II), VOLUME IV
ONE-DIMENSIONAL
MATERIAL RESPONSE, THE XIP II CODE, FINAL REPORT (U),
273 P (SRD)
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created: 12/27/1991 type: REPORT permanent
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INUM: 08055
ADNO: 674663
AUTH: LONGINOW A. ; STEPANEK O.J.
CLSS: U
CCDE: ZZ
CONN: DAH 20 67 C 0167
CORP: ILLINOIS INSTITUTE OF TECHNOLOGY/RESEARCH INSTITUTE
(CHICAGO-ILLINOIS)
DATE: 6806
DESC: TABULAR
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic
DESC: Nuclear Weapon Effects on animals blast shock pressure
DESC: Civil Defense shelters L1
REPN: J 6115
SUJO: 3-311-100 ; 3-312-200 ; 3-474-000
TITL: CIVIL DEFENSE SHELTER OPTIONS FOR FALLOUT AND BLAST
PROTECTION,
SINGLE-PURPOSE, FINAL REPORT (U), 180 P (U)
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created: 12/27/1991 type: REPORT permanent
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INUM: 08057
ADNO: 832418L
AUTH: BLOORE E.W. ; BENCK R.F. ; FUREY D.A. ; HARRIS P.C. ; DE
TUERK J.J. JR. ; YANNOPOULAS L.N. ; HOUSEMAN B.L. ; WALKER L.A.
CLSS: U
CONN: AT (49 7) 2883
CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD ARSENAL-MD) ;
GENERAL ELECTRIC COMPANY (SYRACUSE-NY) ; GOUCHER COLEGE
(TOWSON-MD)
DATE: 6804
DESC: Nuclear Weapon Environment Fallout Particles physical
characteristics
DESC: Simulation Facilities Techniques nuclear radiation
fallout simulation
DESC: Solid Mechanics
DESC: SUMMARY EXPERIMENTAL
DESC: Nuclear Weapon Environment Fallout Particles chemical
composition solubility
REPN: NDL SP 27
SUJO: 2-222-100 ; 2-222-200 ; 4-242-000 ; 9-200-000
TITL: MECHANISMS OF FALLOUT PARTICLE FORMATION, PROGRAM REVIEW
AND ANNUAL PROGRESS REPORT FOR PERIOD ENDING MARCH 1968 (U), 79 P
(U)
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08057
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 08058
AUTH: GIBSON T. A. JR.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
DATE: 6804
DESC: SUMMARY
DESC: Nuclear Weapon Environment fallout fractionation
REPN: UCRL 50409
SHOT: DANNY BOY ; SEDAN ; PALANQUIN
TSHO: UG-VENTED
SUJO: 2-223-500
TITL: OBSERVED FRACTIONATION IN GROUND LEVEL FALLOUT FROM
THREE NUCLEAR CRATERING DETONATIONS (U), 5 P (U)
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created: 12/27/1991 type: REPORT permanent
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INUM: 08061
ADNO: 843390L
AUTH: SEERY C. J. ; POLAN M.
CLSS: U
CONN: N 228 (62479) 62185
CORP: FORD INSTRUMENT DIVISION SPERRY RAND CORPORATION (LONG
ISLAND-NEW YORK) ; NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CALIFORNIA)
DATE: 6808
DESC: Nuclear Weapon Environment fallout Deposition
DESC: Nuclear Weapon Environment Fallout Radioproperties
DESC: Nuclear Weapon Phenomenology cloud Motion
DESC: RADFO ZZ ; SUMMARY
REPN: NRDL TRC 68 59 ; USNRDL TRC 68 59
SUJO: 2-223-000 ; 2-224-000 ; 2-225-000
TITL: ANALYSIS OF THE FALLOUT PREDICTION MODELS PRESENTED AT
THE USNRDL-DASA FALLOUTSYMPOSIUM OF SEPTEMBER 1962, VOLUME
II, ANALYSIS,
COMPARISON, AND EVALUATION OF MODEL PREDICTIONS (U), 70

P (U)

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08061
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copy: 1 id: 42254-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08066
ADNO: 839819
AUTH: VAN LINT V.A.J.
CLSS: U
CORP: GULF GENERAL ATOMIC INCORPORATED (SAN DIEGO-CALIFORNIA)
DATE: 6808
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes silicon-controlled rectifiers
DESC: EXPERIMENTAL THEORY
EFFT: TREE
REPN: GA 8810
SUJO: 3-221-000
TITL: MECHANISMS OF TRANSIENT RADIATION EFFECTS (U), 64 P (U)
TREE: 200
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08066

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copy: 1 id: 42259-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 08067
ADNO: 674121
AUTH: MARTIN S. B. ; STAACKMANN M. ; RAMSTAD R. W.
CLSS: U
CONN: N 00228 67 C 0694
CORP: URS INCORPORATED (BURLINGAME-CALIFORNIA). NAVY/NAVAL
RADIOLOGICAL
DEFENSE LABORATORY (SAN FRANCISCO-CALIFORNIA)
DATE: 6803
DESC: Civil Defense transattack measures firefighting L1
DESC: Nuclear Weapon Effects structures aboveground cities
EFFT: THERMAL
REPN: URS 673 3 ; NRDL TRC 68 8
SUJO: 3-252-000 ; 3-476-100
TITL: FIRE-SERVICE CAPABILITIES FOR DAMAGE CONTROL AND RESCUE,
FINAL
REPORT (U), 154P (U)

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08067
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copy: 1 id: 42260-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 08099
ADNO: 835748L
AUTH: KALAB B.M. ; SILIO C.B. ; HOLOMAN S.B. ; NYBERG R.A.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO,
CA)
DATE: 6805
DESC: Simulation Facilities Techniques EMP
EMPF: 719
REPN: USNRDL TR 68 60
SUJO: 4-271-000
TITL: NRDL PARALLEL PLATE TRANSMISSION LINE FOR EMP TESTING-CW
CHARACTERISTICS (U), 35 P (U)

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08099
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copy: 1 id: 42283-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 08103
 AUTH: TRUBEY D. K.
 CLSS: U
 CONN: W 7405 ENG 26
 CORP: OAK RIDGE NATIONAL LABORATORY (OAK RIDGE-TENNESSEE)
 DATE: 6810
 DESC: Cross Sections neutron
 DESC: Cross Sections gamma
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 prompt L1 RBE
 REPN: ORNL RSIC 16
 SUJO: 3-312-100 ; 9-820-000 ; 9-830-000
 TITL: USE OF ICRU-DEFINED QUANTITIES AND UNITS IN SHIELDING
 (U), 64 P (U)
 TREE: 411 ; 412
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 08103
 .endblock
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 copy: 1 id: 42286-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

INUM: 08136
 ADNO: 675053
 AUTH: MOONEY L. G. ; WELLS M. B.
 CLSS: U
 CORP: RADIATION RESEARCH ASSOCIATES INCORPORATED (FORT
 WORTH-TX)
 DATE: 6806
 DESC: THEORY TABULAR
 DESC: Cross Sections gamma
 DESC: Nuclear Weapon Environment Fallout gamma intensities
 spectra
 REPN: RRA M 85
 SUJO: 2-223-200 ; 9-830-000
 TITL: CALCULATION OF FISSION PRODUCT GAMMA-RAY DOSES IN
 SINGLE-COMPARTMENT
 ABOVE-GROUND CONCRETE STRUCTURES, PAPER PRESENTED AT THE
 1968 ANNUAL
 MEETING OF THE AMERICAN NUCLEAR SOCIETY, TORONTO,
 CANADA, 9-13 JUNE
 1968 (U), 46 P (U)
 TREE: 411
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 08136
 .endblock
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 copy: 1 id: 42315-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

INUM: 08140

ABS: An analysis was performed to determine the vulnerability of an airborne AIMS subsystem, powered by a typical aircraft electrical power generating system, to nuclear weapon environments. The vulnerability levels were identified for all electronic components that were vulnerable below specified environment levels. A trade-off study was performed to determine the most practical radiation hardening techniques for this system. Radiation hardening modifications were then designed into the equipment to increase its radiation tolerance to specified environment levels.

ABS: The vulnerability analysis was performed using one or more of the following: circuit analysis combined with established prediction techniques where radiation damage was predictable, nuclear reactor exposures in combination with electrical tests on circuits where neutron degradation was not predictable, and laser simulation of both prompt and delayed gamma transient effects on circuits where these effects were not predictable. Several analytical techniques were developed during this phase which could have wide application in vulnerability analysis of other electronic systems. Hardening the vulnerable circuits was accomplished without the use of shielding, without the necessity of developing new radiation hardened devices, and without any significant change in equipment size, power, weight or performance.

ABS: Prediction technology, reactor tests and laser simulation were also used to verify the hardness of several breadboarded hardened circuits. The report includes an analysis of the effect of equipment operating temperature on equipment hardness, the cost of incorporating hardening modifications in production quantities of these electronic systems, and the system hardening cost vs.

survivability range for several combinations of nuclear
weapon type, altitude, and range.

ADNO: 391653L
AUTH: NELSON D.L. ; VANLANDINGHAM K.E. ; MCCARDELL A.E.
CLSS: SRD
CONN: AF 33 (657) 16595
CORP: BENDIX CORPORATION (SOUTHFIELD-MI) ; AIR FORCE/SYSTEMS
COMMAND

(WRIGHT PATTERSON AIR FORCE BASE-OH)
DATE: 6805
DESC: Nuclear Weapon Effects Communications Systems C4
hardware radio

microwave systems
DESC: Nuclear Weapon Effects flight systems airplanes
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic subsystems computers

memory
REPN: 68 ASZI 086 ; ASD TR 68 17
SUJO: 3-111-000 ; 3-132-000 ; 3-212-000
TEMP: 61200
TITL: SURVIVABILITY/VULNERABILITY STUDY OF A TYPICAL AIRBORNE
DOD-AIMS

SUBSYSTEM IN A NUCLEAR WEAPONS ENVIRONMENT, SYSTEM 499L,
FINAL
TECHNICAL REPORT (U), 184 P (SRD)

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08140

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 08141
ADNO: 390668L
AUTH: MASON R.B. ; BREWER H.A.
CLSS: C
CCDE: REST
CORP: NATIONAL MILITARY COMMAND SYSTEM SUPPORT CENTER (DC)
DATE: 6803
DESC: Nuclear Weapon Effects on plants ionizing radiation

chronic external

DESC: Target Analysis civilians population at risk casualties
L1

DESC: TABULAR THEORY
DESC: Nuclear Weapon Environment fallout transport
DESC: Nuclear Weapon Environment fallout Deposition
EFFT: AIRBLAST
REPN: CSM AM 24 68
SUJO: 2-224-200 ; 2-225-000 ; 3-332-210 ; 3-433-000
TEMP: 61201
TITL: RESOURCE STATUS EVALUATION SYSTEM (REST), ANALYTICAL

MANUAL (U), 49
P (C)

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08141
.endblock
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08143
ABS: The report presents a computational model for predicting
battlefield damage and casualties from the initial effects of
nuclear weapons (blast, thermal radiation, nuclear radiation). Appendix
A presents tables of damage and casualties calculated by the
program as a function of weapon yield and height of burst vs.
horizontal range from surface zero. Appendix B is the FORTRAN IV program
listing for the model. The model has application to automated
tactical data systems and the tables of Appendix A enable a rapid
approximation of battlefield damage and casualties when the approximate
yield and location of burst are known.
ADNO: 390619L
AUTH: BREWER G.W.
CLSS: C
CCDE: ZZ
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 6803
DESC: Nuclear Warfare Target Analysis system studies standoff
criteria safe separation distances lethal radii L1
DESC: Nuclear Weapon Effects land transport
DESC: Target Analysis military forces L1
DESC: Nuclear Weapon Effects flight systems helicopters
DESC: Nuclear Weapon Effects ordnance hardware artillery
pieces guns rocket launchers
DESC: Nuclear Weapon Effects animals
DESC: Nuclear Weapon Effects Communications Systems C4
hardware radio microwave systems
DESC: Nuclear Weapon Effects ordnance bombs mines warheads
DESC: Nuclear Weapon Effects flight systems airplanes
DESC: CODE TABULAR

EFFT: AIRBLAST
 REPN: USNRDL TR 68 38
 SUJO: 3-111-000 ; 3-118-000 ; 3-132-000 ; 3-150-000 ;
 3-161-000 ;
 3-169-000 ; 3-310-000 ; 3-431-000 ; 3-432-000
 TEMP: 61207
 TITL: MODEL FOR PREDICTING DAMAGE AND CASUALTIES TO
 BATTLEFIELD TARGETS
 FROM INITIAL NUCLEAR WEAPON EFFECTS (U), 91 P (C)
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 08143
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 copy: 1 id: 42322-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 08151
 ADNO: 836601L
 AUTH: TOMNOVEC F. M. ; READ P. A. ; BUSER W. H. ; CALLAHAN M.
 T. ; JONES
 E. W.
 CLSS: U
 CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
 FRANCISCO-CALIFORNIA)
 DATE: 6805
 DESC: Cross Sections neutron
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Effects on plants ionizing radiation
 prompt
 REPN: USNRDL TR 68 58
 SUJO: 3-332-100 ; 9-820-000
 TITL: OPERATION HENRE PROGRAM 3, NEUTRON FIELD AND INDUCED
 ACTIVITY
 STUDIES (U), 65 P (U)
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 08151
 .endblock
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 copy: 1 id: 42330-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 08153
 ADNO: 838482L
 AUTH: CASSIDY S. H.
 CLSS: U
 CCDE: ZZ
 CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
 FRANCISCO-CALIFORNIA)
 DATE: 6806
 DESC: Nuclear Weapon Environment fallout transport

DESC: Nuclear Weapon Environment fallout intensity contours
patterns
DESC: Nuclear Weapon Environment fallout arrival time
DESC: CODE THEORY
REPN: USNRDL TR 68 67
SUJO: 2-224-200 ; 2-225-100 ; 2-225-300
TITL: FORTRAN STATEMENT OF THE TRANSPORT MODULE FOR A
GENERALIZED LAND
FALLOUT MODELCOMPUTER PROGRAM (U), 130 P (U)

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08153

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copy: 1 id: 42332-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08154

AUTH: OSTEN S. G.

CLSS: U

CCDE: FURRY

CONN: AF 04 (694) 990

CORP: AVCO CORPORATION (WILMINGTON-MA) ; AIR FORCE/SPACE AND
MISSILE

SYSTEMS ORGANIZATION (NORTON AIR FORCE BASE-CALIFORNIA)

DATE: 6709

DESC: blast shock Protection

DESC: Nuclear Weapon Effects reentry systems RV

DESC: Nuclear Weapon Effects materials not systems associated

DESC: RADS INHOMOGENEOUS MEDIA ; CODE THEORY TABULAR

EFFT: X-RAY

REPN: AVMSD 0852 67 RR VOL 6-1 ; SAMSO TR 67 121 VOL 6-1

SUJO: 3-113-000 ; 3-240-000 ; 9-860-000

TITL: RADIATION DAMAGE STUDY, PHASE II (RADS II) FINAL REPORT,
VOLUME VI,

SHOCK PROPAGATION IN HETEROGENEOUS MATERIALS, BOOK ONE
OF TWO BOOKS

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08154

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copy: 1 id: 42333-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 08214

ADNO: 392680

AUTH: ROGERS J.N. ; ROGERS J.M.

CLSS: SRD

CONN: AF 33 (615) 5383

CORP: SPERRY RAND CORPORATION (GREAT NECK-NY) ; AIR
FORCE/AVIONICS

LABORATORY (WRIGHT-PATTERSON AIR FORCE BASE-OH)
 DATE: 6808
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes silicon-controlled rectifiers
 DESC: SIMULATION ; SUMMARY EXPERIMENTAL
 DESC: Nuclear Weapon Effects electronic subsystems computers
 memory
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors vacuum tubes dielectrics relays switches
 EFFT: TREE ; NUCLEAR RADIATION
 REPN: HB 9282 0316 ; AFAL TR 68 117
 SUJO: 3-212-000 ; 3-221-000 ; 3-229-000
 TEMP: 61242
 TITL: RADIATION TOLERANT CIRCUITRY DESIGN, DEVELOPMENT AND
 TEST, FINAL
 REPORT (U), 199 P (SRD)
 TREE: 310 ; 330
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 08214
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 copy: 1 id: 42391-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 08215
 ADNO: 392714
 AUTH: FRIEDMAN E.
 CLSS: SRD
 CONN: F 29601 67 C 0024
 CORP: AVCO CORPORATION (LOWELL-MA) ; AIR FORCE/WEAPONS
 LABORATORY (KIRTLAND AIR FORCE BASE-NM)
 DATE: 6808
 DESC: Nuclear Weapon Effects materials plastics resins
 DESC: Nuclear Weapon Environment X-ray Output source strength
 total intensity
 DESC: EXPERIMENTAL
 DESC: Cross Sections x-ray
 DESC: Nuclear Weapon Environment X-ray Output rate
 DESC: Nuclear Weapon Effects materials composites
 EFFT: X-RAY
 REPN: AVSSD 0442 67 RR ; AFWL TR 67 142
 SHOT: MIDI MIST
 SUJO: 1-610-000 ; 1-640-000 ; 3-244-000 ; 3-249-000 ;
 9-840-000
 TEMP: 61241
 TITL: ADVANCED RADIATION ABSORBER CONCEPTS, TASK II (U), 39 P
 (SRD)
 TREE: 413

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08215
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 08216
ADNO: 392625
AUTH: MOSS G.L.
CLSS: SRD
CONN: MIPR 1105 6045 02
CORP: ARMY/BALLISTIC RESEARCH LABORATORIES (ABERDEEN-MD)
DATE: 6807
DESC: Nuclear Weapon Effects materials metals alloys L1 AL
DESC: EXPERIMENTAL
EFFT: X-RAY ; THERMAL
REPN: BRL TN 1698
SHOT: MIDI MIST
SUJO: 3-243-000
TEMP: 61240
TITL: EXPOSED SURFACE MASS LOSS DUE TO RADIATION (MIDI-MIST
TEST) (U), 17
P (SRD)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 08219
ADNO: 390174L
AUTH: ABBOTT J.L. ; BERGER R.L. ; SANDMEIER H.A.
CLSS: SRD
CONN: N 00246 67 M 5924 ; N 00246 67 ME 081
CORP: LOS ALAMOS SCIENTIFIC LABORATORY (LOS ALAMOS-NM) ;
NAVY/NAVAL
WEAPONS EVALUATION FACILITY (KIRTLAND AIR FORCE BASE-NM)
DATE: 6804
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt
DESC: THEORY
DESC: Radiation Transport neutron
DESC: Nuclear Weapon Effects ordnance
REPN: NWEF 1020
SOCE: DEV-11 ; DEV-5
SUJO: 3-160-000 ; 3-312-100 ; 9-650-000
TEMP: 61235
TITL: EFFECT OF NEUTRON REACTION CROSS SECTIONS ON LETHAL

RADII

CALCULATIONS (U), 31P (SRD)

TREE: 413

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copy: 1 id: 42396-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08220

ADNO: 837697L

AUTH: MARTIN S.B. ; STAACKMANN M. ; RAMSTAD R.W.

CLSS: O

CONN: N 00228 67 C 0694

CORP: URS CORPORATION (BURLINGAME-CA) ; NAVY/NAVAL

RADIOLOGICAL DEFENSE

LABORATORY (SAN FRANCISCO-CA)

DATE: 6803

DESC: Civil Defense transattack measures firefighting L1

DESC: SUMMARY

REPN: URS 673 4 ; NRDL TRC 68 8 A

SUJO: 3-476-100

TITL: SUPPLEMENTARY ANALYSIS OF FIRE-SERVICE CAPABILITIES FOR
DAMAGE

CONTROL AND RESCUE, FINAL REPORT (U), 40 P (OUO)

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copy: 1 id: 42397-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 08225

ADNO: 677373

AUTH: STUETZER M. ; GIBSON N.N.

CLSS: U

CORP: ARMY NUCLEAR DEFENSE LABORATORY (EDGEWOOD ARSENAL-MD)

DATE: 6809

DESC: test instruments nuclear radiation dosimeters radiacs

DESC: SUMMARY EXPERIMENTAL

DESC: test instruments nuclear radiation gamma

REPN: NDL TM 47

SUJO: 4-341-000 ; 4-346-000

TITL: COBALT BOROSILICATE GLASS GAMMA DOSIMETRY AND ITS USE AT
THE US ARMY

NUCLEAR DEFENSE LABORATORY (U), 24 P (U)

TREE: 651

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08229
ADNO: 390138L
AUTH: NIELSEN W.C. ; RAMSTEDT C.F.
CLSS: C
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 6803
DESC: Nuclear Weapon Effects electronic subsystems analysis
circuit
network
DESC: SIMULATION ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic subsystems computers
memory
EFFT: TREE
REPN: USNRDL TR 68 34
SUJO: 3-212-000 ; 3-219-000
TEMP: 61287
TITL: TRANSIENT RADIATION RESPONSES OF SHIPBOARD COMPUTER
CIRCUITS, FINAL
REPORT (U), 33 P (C)
TREE: 341

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08229
.endblock
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copy: 1 id: 42406-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 08236
ADNO: 834435L
AUTH: SHIRASAWA T.H. ; BJERKE R.A.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 6803
DESC: Nuclear Weapon Phenomenology base surge
DESC: Nuclear Weapon Environment Fallout beta intensities
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt
DESC: Nuclear Warfare Strategic systems fleet L1
DESC: Nuclear Warfare Theater tactical navy ASW L1
DESC: THEORY SUMMARY
DESC: Nuclear Weapon Effects ship systems submarines
EFFT: FALLOUT
REPN: USNRDL TR 68 48

SUJO: 2-223-300 ; 2-224-120 ; 3-121-000 ; 3-312-100 ;
3-412-400 ; 3-423-400

TITL: NUCLEAR ASW IN ARCTIC WATERS, INFLUENCE OF THE
ENVIRONMENT ON THE
RADIOLOGICAL HAZARD DURING A SHIP MANEUVER FOLLOWING AN
UNDERWATER NUCLEAR EXPLOSION (U), 60 P (U)

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copy: 1 id: 42411-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08241

ADNO: 837390L

AUTH: KAUFMANN R. ; HEILFERTY R.J.

CLSS: U

CCDE: ZZ

CORP: NAVY/NAVAL APPLIED SCIENCE LABORATORY (BROOKLYN-NY)

DATE: 6807

DESC: Nuclear Weapon Effects structures aboveground models
cylinders cones

rings

DESC: CODE TABULAR

EFFT: THERMAL

REPN: PR 8

SUJO: 3-259-400

TITL: EQUATIONS AND COMPUTER PROGRAM TO CALCULATE THE
TEMPERATURE

DISTRIBUTION AND HISTORY IN A CYLINDER SUBJECT TO
THERMAL RADIATION

FROM A NUCLEAR WEAPON, PROGRESS REPORT 8 (U), 30 P (U)

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copy: 1 id: 42416-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08244

AUTH: KIMLINGER J. ; PLECHATY E.F. ; TERRALL J.R.

CLSS: U

CCDE: SORS

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)

DATE: 6712

DESC: Radiation Transport gamma

DESC: CODE THEORY

DESC: Radiation Transport x-ray

DESC: Cross Sections gamma
 DESC: Cross Sections x-ray
 REPN: UCRL 50358
 SUJO: 9-620-000 ; 9-640-000 ; 9-830-000 ; 9-840-000
 TITL: SORS MONTE CARLO PHOTON-TRANSPORT CODE FOR THE CDC 6600
 (U), 37 P
 (U)
 TREE: 980
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 08244
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 copy: 1 id: 42419-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 08253
 ADNO: 654315
 AUTH: HENKE B.L. ; ELGIN R.L. ; LENT R.E. ; LEDINGHAM R.B.
 CLSS: U
 CONN: AFOSR 689 64
 CORP: POMONA COLLEGE (CLAREMONT-CA) ; AIR FORCE/OFFICE OF
 SCIENTIFIC RESEARCH
 DATE: 6706
 DESC: Radiation Transport x-ray
 DESC: H N C O FREON NEON S CL ARGON KRYPTON XEON HE LI BE
 BORON FL NA MG
 AL SI K ; EXPERIMENTAL THEORY
 DESC: Cross Sections x-ray
 REPN: AFOSR 67 1254
 SUJO: 9-640-000 ; 9-840-000
 TITL: X-RAY ABSORPTION IN THE 2-TO-200 A REGION, SCIENTIFIC
 INTERIM REPORT
 (U), 35 P(U)
 TREE: 413
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 08253
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 copy: 1 id: 42425-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 08263
 ADNO: 678727
 AUTH: YOUNG F.H.
 CLSS: U
 CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
 FRANCISCO-CA)
 DATE: 6806
 DESC: THEORY

DESC: Radiation Transport gamma
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra
REPN: NRDL TR 68 88
TSHO: UW
SUJO: 2-223-200 ; 9-620-000
TITL: GAMMA EXPOSURE RATES FROM A VARIETY OF AMBIENT OR
NONAMBIENT
CYLINDRICAL FISSION-PRODUCT SOURCES A MODEL FOR THEIR
CALCULATION
(U), 34 P (U)

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08263

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copy: 1 id: 42434-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08281

AUTH: HANSEN I.S. ; SYKES J.W. ; PRICE R.A. ; WESTON M.W.

CLSS: C

CORP: NAVY/NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER
(WASHINGTON-D.C.)

DATE: 6802

DESC: Nuclear Weapon Effects ship systems surface ships

DESC: Nuclear Weapon Effects ship systems submarines

DESC: Target Analysis system studies submarines L1

DESC: Target Analysis system studies surface ships L1

DESC: SOURCEBOOK

EFFT: EMP ; TREE ; NUCLEAR RADIATION ; AIR BLAST ; WATERSHOCK
; THERMAL

TSHO: LOW-ALT ; UW

SUJO: 3-121-000 ; 3-122-000 ; 3-431-300 ; 3-431-310

TEMP: 59540

TITL: MECHANICAL DAMAGE RANGES FOR SURFACE SHIPS AND
SUBMARINES SUBJECTED

TO NUCLEAR EXPLOSIONS (U), 33 P (C)

TNFF: 5890 ; 5891

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08281

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copy: 1 id: 42441-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08285

AUTH: RUSSELL R.L. ; SKAVLAND R.L. ; SPEHAR G.G. ; WALKER K.R.

CLSS: U

CONN: F 306020 67 C 0295

CORP: HUGHES AIRCRAFT COMPANY (FULLERTON-CA) ; AIR FORCE/ROME

AIR

DEVELOPMENT CENTER(ROME-NY)
DATE: 6810
DESC: THEORY EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits
EFFT: TREE
REPN: FR 68 10 762 ; RADC TR 68 366
SUJO: 3-222-000
TITL: PHOTOCURRENT COMPENSATION TECHNIQUES FOR RADIATION
HARDENING OF
INTEGRATED CIRCUITS, FINAL REPORT (U), 183 P (U)
TREE: 420 ; 320
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08285
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copy: 1 id: 42443-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
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INUM: 08295
ADNO: 391594L
AUTH: LEE R.C.
CLSS: SRD
CCDE: SAMURI
CONN: F 04695 67 C 0158
CORP: AEROSPACE CORPORATION (SAN BERNARDINO-CA) ; AIR
FORCE/SPACE AND
MISSILE SYSTEMS ORGANIZATION (NORTON AIR FORCE BASE-CA)
DATE: 6805
DESC: Nuclear Weapon Environment dust moisture injection
atmosphere
DESC: Nuclear Weapon Effects reentry systems RV
DESC: Nuclear Weapon Environment Airblast static overpressure
OVERPRESSURE
DESC: Nuclear Weapon Effects structures hard launch sites
materials
DESC: Nuclear Weapon Environment Airblast static overpressure
scaling
DESC: THEORY
DESC: Nuclear Weapon Phenomenology cloud development rise
DESC: Nuclear Weapon Effects missile systems strategic
EFFT: AIRBLAST ; DUST AND DEBRIS ; NUCLEAR RADIATION
REPN: SAMSO TR 68 269 ; TR 0158 (S 3855 41) 3
SUJO: 2-222-400 ; 2-224-100 ; 2-611-000 ; 2-611-009 ;
3-112-100 ;
3-113-000 ; 3-116-200
TEMP: 61392
TITL: ENVIRONMENTAL MODELS FOR THE MISSILE VULNERABILITY
PROGRAM,
TECHNICAL DOCUMENTARY REPORT (U), 50 P (SRD)
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08295
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copy: 1 id: 42452-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 08310
ADNO: 392168L
CLSS: SRD
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 6807
DESC: Nuclear RDT&E Research Program Descriptions integrated
effects
system studies
REPN: USNRDL TR 68 75
SUJO: 4-160-000
TEMP: 61428
TITL: ONIT REPORT (OPERATIONAL NEEDS IDENTIFICATION TEAM)
OPERATIONAL
NEEDS FOR NAVYNUCLEAR WEAPONS EFFECTS RESEARCH (U), 278

P (SRD)

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08310
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copy: 1 id: 42463-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08317
ADNO: 678581
AUTH: KLEIN N. ; FANNING J.E. JR. ; SMITH T.L.
CLSS: U
CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD ARSENAL-MD)
DATE: 6809
DESC: test instruments nuclear radiation dosimeters radiacs
DESC: EXPERIMENTAL
REPN: NDL TR 115
SUJO: 4-346-000
TITL: MEASUREMENT OF X-RAY PULSES BY CHEMICAL MEANS (U), 44 P
(U)
TREE: 653

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08317
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copy: 1 id: 42465-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08318
AUTH: BERGMAN P. ; GRIFF N.
CLSS: U
CORP: NAVY/NAVAL APPLIED SCIENCE LABORATORY (BROOKLYN-NY)
DATE: 6811
DESC: Nuclear Weapon Effects materials coatings laminates
DESC: SIMULATION ; EXPERIMENTAL
EFFT: THERMAL
REPN: PR 9
SUJO: 3-245-000
TITL: METHOD FOR EVALUATION OF THE RESPONSE OF COATINGS TO
THERMAL RADIATION FROM A NUCLEAR WEAPON, PROGRESS REPORT (U), 24

P (U)

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08318

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copy: 1 id: 42466-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08326
AUTH: VAN LINT V.A.J. ; HARRITY J.W.
CLSS: U
CONN: DA 28 043 AMC 02446 (E)
CORP: GULF GENERAL ATOMIC INCORPORATED (SAN DIEGO-CA)
DATE: 6809
DESC: Nuclear Weapon Effects electronic pieceparts measuring
devices

sensors detectors L1 INSULATORS

DESC: SUMMARY

EFFT: TREE

REPN: GA 8702

SUJO: 3-224-000

TITL: IONIZATION RADIATION EFFECTS IN INSULATORS AND
INSULATING PARTS (U),
8 P (U)

TREE: 385

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08326

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08327
AUTH: VAN LINT V.A.J. ; HARRITY J.W. ; FLANAGAN T.M.
CLSS: U
CONN: DA 28 043 AMC 02446 (E) ; DAAG 39 67 C 0028
CORP: GULF GENERAL ATOMIC INCORPORATED (SAN DIEGO-CA)

DATE: 6809
 DESC: Nuclear Weapon Effects materials plastics resins
 DESC: THEORY EXPERIMENTAL
 DESC: Nuclear Weapon Effects electronic pieceparts resistors capacitors
 vacuum tubes dielectrics relays switches L1 INSULATORS
 EFFT: TREE
 REPN: GA 8807
 SUJO: 3-229-000 ; 3-244-000
 TITL: SCALING LAWS FOR IONIZATION EFFECTS IN INSULATORS,
 PREPRINT OF A
 PAPER PRESENTED AT THE IEEE CONFERENCE ON NUCLEAR SPACE
 RADIATION
 EFFECTS, JULY 15-18, 1968, MISSOULA, MONTANA, TO BE
 PUBLISHED IN THE
 TRANSACTIONS (U), 16 P (U)
 TREE: 385
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 08327
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 copy: 1 id: 42473-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 08359
 ABS: Empirical relations are presented for the prediction of
 the
 dimensional histories for the above-surface phenomena
 resulting from
 an underwater nuclear burst as functions of charge yield
 and depth
 of burst. Some deductions concerning the averaged
 overall densities
 of each of the above-surface phenomena -crown, column,
 plumes, and
 base surge -are also presented.
 ADNO: 394564L
 AUTH: LEE B.T.
 CLSS: SFRD
 CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
 FRANCISCO-CA)
 DATE: 6808
 DESC: Nuclear Weapon Phenomenology cloud shape size
 DESC: Nuclear Weapon Phenomenology base surge
 DESC: THEORY EXPERIMENTAL
 DESC: Nuclear Weapon Phenomenology plumes spray domes
 DESC: Nuclear Weapon Phenomenology cloud columns stems
 REPN: NRDL TR 68 113
 SHOT: HYDRA 1 ; HYDRA 2A ; BAKER(XRD) ; UMBRELLA ; SWORDFISH
 ; WIGWAM ;
 WAHOO
 TSHO: UW

SUJO: 2-224-110 ; 2-224-120 ; 2-224-130 ; 2-224-140
 TEMP: 61568
 TITL: ABOVE-SURFACE PHENOMENA ARISING FROM UNDERWATER NUCLEAR
 EXPLOSIONS,
 PREDICTION OF DIMENSIONAL AND OVERALL DENSITY HISTORIES
 (U), 77 P
 (SFRD)
 TNFF: 4887
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 08359
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 copy: 1 id: 42501-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 08361
 ADNO: 816778
 AUTH: OVERMYER R.F.
 CLSS: U
 CONN: DA 28 043 AMC 02446 (E)
 CORP: GULF GENERAL ATOMIC INCORPORATED (SAN DIEGO-CA) ;
 ARMY/ELECTRONICS
 LABORATORIES (FORT MONMOUTH-NJ)
 DATE: 6707
 DESC: Nuclear Weapon Effects materials ceramics optical
 DESC: SUBSTRATE MATERIALS ; EXPERIMENTAL
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers
 EFFT: TREE
 REPN: ECOM 02446 2 ; GA 7931
 SUJO: 3-221-000 ; 3-241-000
 TITL: RADIATION EFFECTS IN DIELECTRIC MATERIALS, SECOND
 QUARTERLY REPORT
 (U), 15 P (U)
 TREE: 310
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 08361
 .endblock
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 copy: 1 id: 42503-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 08363
 AUTH: BEEZHOLD W. ; BOWMAN W.C. ; JOHNSTON A.H.
 CLSS: U
 CONN: F 30 (602) 67 C 0008
 CORP: AIR FORCE/ROME AIR DEVELOPMENT CENTER (ROME-NY) ; BOEING
 AIRCRAFT
 COMPANY (SEATTLE-WA)

DATE: 6811
 DESC: THEORY
 DESC: Nuclear Weapon Effects electronic pieceparts integrated
 circuits
 DESC: Nuclear Weapon Effects electronic subsystems analysis
 circuit
 network
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers
 EFFT: TREE
 REPN: RADC TR 68 115
 SUJO: 3-219-000 ; 3-221-000 ; 3-222-000
 TITL: GENERALIZED MODEL FOR MICROCIRCUIT TRANSIENT RADIATION
 RESPONSE
 PREDICTION, FINAL REPORT (SEPT 66 JAN 68) PHASE 1 (U),
 250 P (U)
 TREE: 320 ; 250
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 08363
 .endblock
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 copy: 1 id: 42505-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 08380
 ADNO: 843326
 AUTH: JACOBSON J.R.
 CLSS: U
 CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD ARSENAL-MD)
 DATE: 6809
 DESC: Nuclear Weapon Test support facilities
 DESC: test instruments nuclear radiation dosimeters radiacs
 REPN: NDL TM 46
 SUJO: 4-346-000 ; 4-855-100
 TITL: MOBILE GAMMA DOSIMETRY PROCESSING FACILITY (U), 16 P (U)
 TREE: 651
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 08380
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 copy: 1 id: 42519-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 08383
 ADNO: 679028
 AUTH: GIBSON N.N. ; CRIMMINS T.W. ; JACOBSON J.R.
 CLSS: U
 CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD ARSENAL-MD)
 DATE: 6809

DESC: test instruments nuclear radiation dosimeters radiacs
DESC: EXPERIMENTAL
REPN: NDL TR 114
SUJO: 4-346-000
TITL: EXPOSURE-RATE RESPONSE OF SELECTED GAMMA DOSIMETERS (U),
31 P (U)
TREE: 651
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08383
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copy: 1 id: 42522-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08384
ADNO: 679027
AUTH: MIKLOSZ J.C. JR.
CLSS: U
CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD ARSENAL-MD)
DATE: 6808
DESC: THEORY
DESC: test instruments nuclear radiation proton alpha heavy
particle
DESC: test instruments nuclear radiation beta electron beams
REPN: NDL TR 111
SUJO: 4-343-000 ; 4-344-000
TITL: CRITICAL CURRENT CHARACTERISTICS OF SUPERCONDUCTING THIN
FILM
PARTICLE DETECTORS (U), 57 P (U)
TREE: 654
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08384
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copy: 1 id: 42523-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08391
AUTH: YURA H.T.
CLSS: U
CONN: DAHC 15 67 C 0141
CORP: RAND CORPORATION (SANTA MONICA-CA)
DATE: 6812
DESC: Radiation Transport visible
DESC: THEORY
DESC: Nuclear Weapon Effects Light scattering optical
interference from
dust
REPN: RM 5710 ARPA
SUJO: 2-226-000 ; 9-630-000

TITL: FAR-FIELD INTENSITY DISTRIBUTION FROM A DIFFRACTING
APERTURE IN A
TURBULENT MEDIUM (U), 26 P (U)

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08391

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08404

ADNO: 393746

AUTH: RAPP R.R.

CLSS: S

CONN: F 44620 67 C 0045

CORP: RAND CORPORATION (SANTA MONICA-CA)

DATE: 6809

DESC: Target Analysis civilians population at risk casualties

L1

DESC: THEORY

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

external

EFFT: FALLOUT

REPN: RM 5650 PR

SUJO: 3-312-210 ; 3-433-000

TEMP: 61638

TITL: FALLOUT OVER CITIES (U), 37 P (S)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08417

ADNO: 394946L

AUTH: JONES R.E.

CLSS: SRD

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)

DATE: 6810

DESC: Nuclear Weapon Effects reentry systems RV

DESC: Radiation Transport x-ray

DESC: THEORY

DESC: Nuclear Weapon Environment X-ray Output energy spectrum

DESC: Nuclear Weapon Effects reentry systems pen aids

EFFT: X-RAY

REPN: NRDL TR 68 122

SUJO: 1-620-000 ; 3-113-000 ; 3-117-000 ; 9-640-000

TEMP: 61672
 TITL: X-RAY TRANSPORT MODEL FOR STRATEGIC SYSTEMS
 VULNERABILITY STUDIES
 (U), 52 P (SRD)
 TREE: 980
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 08417
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 copy: 1 id: 42547-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 08418
 ADNO: 394935L
 AUTH: ULBERG J.C.
 CLSS: SRD
 CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
 FRANCISCO-CA)
 DATE: 6810
 DESC: Nuclear Weapon Environment Initial Gamma energy spectrum
 DESC: Nuclear Weapon Environment Initial Gamma source strength
 total
 intensity
 DESC: Radiation Transport gamma
 DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse
 width
 DESC: THEORY EXPERIMENTAL
 REPN: NRDL TR 68 123
 SUJO: 1-710-000 ; 1-720-000 ; 1-740-000 ; 9-620-000
 TEMP: 61673
 TITL: PROMPT GAMMA TRANSPORT MODEL FOR STRATEGIC SYSTEM
 VULNERABILITY
 STUDIES (U), 52 P (SRD)
 TREE: 960
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 08418
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 08424
 AUTH: HAMPEL D.
 CLSS: U
 CONN: DAAG 39 68 C 0048
 CORP: RADIO CORPORATION OF AMERICA (PRINCETON-NJ)
 DATE: 6809
 DESC: Nuclear Weapon Effects electronic subsystems computers
 memory
 DESC: Nuclear Weapon Effects electronic pieceparts transistors

diodes

silicon-controlled rectifiers
DESC: SIMULATION ; EXPERIMENTAL
EFFT: X-RAY ; TREE
REPN: RCA 48 1
SUJO: 3-212-000 ; 3-221-000
TITL: RADIATION-RESISTANT MAGNETIC LOGIC CIRCUITS (U), 69 P
(U)
TREE: 341
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08424
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copy: 1 id: 42552-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08427
AUTH: LEWIN J. ; GURNEY J. ; TRUBER D.K.
CLSS: U
CONN: W 7405 ENG 26
CORP: OAK RIDGE NATIONAL LABORATORY (OAK RIDGE-TN)
DATE: 6809
DESC: Radiation Transport gamma
DESC: Radiation Transport x-ray
DESC: SURVEY BIBLIOGRAPHY
DESC: Cross Sections neutron
DESC: Radiation Transport neutron
DESC: Cross Sections gamma
DESC: Cross Sections x-ray
REPN: ORNL RSIC 23
SUJO: 9-620-000 ; 9-640-000 ; 9-650-000 ; 9-820-000 ;
9-830-000 ;
9-840-000
TITL: SURVEY OF RECENT SOVIET RADIATION SHIELDING WORK (U),
355 P (U)
TREE: 410
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08427
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copy: 1 id: 42554-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08428
CLSS: U
CONN: W 7405 ENG 26
CORP: OAK RIDGE NATIONAL LABORATORY (OAK RIDGE-TN)
DATE: 6811
DESC: Simulation Facilities Techniques nuclear radiation
reactors isotopic

sources
 DESC: SURVEY
 REPN: ORNL RSIC 24 ; EACRP U 37
 SUJO: 4-241-000
 TITL: COMPILATION OF DATA ON EXPERIMENTAL SHIELDING FACILITIES
 AND TESTS OF SHIELDS OF OPERATING REACTORS (U), 161 P (U)
 TREE: 642
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 08451
 ADNO: 677403
 AUTH: MILLER C.F. ; YU O.S.
 CLSS: U
 CONN: N 0022867 C 1143
 CORP: STANFORD RESEARCH INSTITUTE (MENLO PARK-CA)
 DATE: 6712
 DESC: Nuclear Weapon Environment radiation decay isotopic half
 lives
 DESC: Nuclear Weapon Environment fallout down fraction
 DESC: THEORY EXPERIMENTAL
 DESC: Nuclear Weapon Environment Fallout isotope
 concentrations
 DESC: Nuclear Weapon Environment Fallout gamma intensities
 spectra
 REPN: SRI MU 6358 ; TRC 68 15 ; OCD TRC 68 15
 SHOT: SMALLBOY
 TSHO: SURFACE
 SUJO: 2-223-100 ; 2-223-200 ; 2-223-410 ; 2-225-200
 TITL: MASS CONTOUR RATIO FOR FALLOUT AND FALLOUT SPECIFIC
 ACTIVITY FOR
 SHOT SMALL BOY, FINAL REPORT (U), 35 P (U)
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 08451
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 08514
 ADNO: 395405L
 AUTH: BONASIA J.J. ; HERSHAFT A.
 CLSS: SFRD
 CONN: AF 04 (694) 990
 CORP: AVCO CORPORATION (WILMINGTON-MA) ; AIR FORCE/SPACE AND

MISSILE

SYSTEMS ORGANIZATION (NORTON AIR FORCE BASE-CA)
DATE: 6710
DESC: Nuclear Weapon Effects materials plastics resins
DESC: RADS SIMULATION ; EXPERIMENTAL
DESC: Simulation Facilities Techniques x-ray effects
DESC: equation of state heat of vaporization thermal
conductivity opacity
DESC: Nuclear Weapon Effects reentry systems RV
DESC: Nuclear Weapon Effects reentry systems RV materials
plastics L1
EFFT: X-RAY
REPN: AVMSD 0852 67 RR VOL X ; SAMSO TR 67 121 VOL X
SUJO: 3-113-000 ; 3-113-240 ; 3-244-000 ; 4-231-000 ;
9-710-000
TEMP: 61753
TITL: RADIATION DAMAGE STUDY PHASE II (RADS II), FINAL REPORT,
VOLUME
X-MATERIAL PROPERTY DETERMINATIONS (U), 185 P (SFRD)

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08514

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 08557

ADNO: 680949

AUTH: COULBOURN G.I. ; WILLIAMSON T.G.

CLSS: U

CORP: UNIVERSITY OF VIRGINIA (CHARLOTTESVILLE-VA) ;
ARMY/NUCLEAR DEFENSE

LABORATORY (EDGEWOOD ARSENAL-MD)

DATE: 6811

DESC: test instruments nuclear radiation neutron

DESC: WATER ALUMINUM ; EXPERIMENTAL THEORY

DESC: Cross Sections neutron

REPN: NDL TR 116

SUJO: 4-342-000 ; 9-820-000

TITL: FAST NEUTRON SPECTRUM AND DOSE RATE IN WATER AND IN
ALUMINUM-WATER

LAMINATIONS(U), 52 P (U)

TREE: 412

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created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08559
ADNO: 665666
AUTH: YAMAMOTO S. ; BROWN M.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA) ;
STANFORD UNIVERSITY (PALO ALTO-CA)
DATE: 6710
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra
DESC: Nuclear Weapon Environment radiation decay isotopic half lives
DESC: SPECTRA ; THEORY EXPERIMENTAL
REPN: USNRDL TR 68 5
SUJO: 2-223-200 ; 2-223-410
TITL: RADIOACTIVITY GROWTH-DECAY DATA, ANALYSIS BY APPLICATION OF THE
LEAST-SQUARES METHOD (U), 43 (U)

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created: 12/27/1991 type: REPORT permanent

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INUM: 08561
ADNO: 668327
AUTH: BENNETT C.B. ; SOULE R.R. ; KEHRER W.S. ; CORN J.P.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6707
DESC: EXPERIMENTAL THEORY
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra
REPN: USNRDL TR 88 20
SUJO: 2-223-200
TITL: GAMMA RAY FIELDS ABOVE ROUGH CONTAMINATED SURFACES (U),
197 P (U)

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copy: 1 id: 42670-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08572
ADNO: 667593
AUTH: WONG P.W.
CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 6708
DESC: Nuclear Weapon Environment fallout intensity contours
patterns
DESC: Nuclear Weapon Effects ecological
DESC: SUMMARY
REPN: USNRDL TR 68 11
SUJO: 2-225-100 ; 3-341-000
TITL: INITIAL STUDY OF EFFECTS OF FALLOUT RADIATION ON SIMPLE
SELECTED ECOSYSTEMS (U), 39 P (U)

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08572
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copy: 1 id: 42679-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08574
ADNO: 664213
AUTH: FORBES P.D.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 6709
DESC: EXPERIMENTAL SUMMARY
DESC: Animal Studies
REPN: USNRDL TR 67 141
SUJO: 6-500-000
TITL: RADIATION EFFECTS IN SWINE. I, VASCULAR SUPPLY OF THE
SKIN AND HAIR
(U), 18 P(U)

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copy: 1 id: 42681-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08596
ADNO: 663086
AUTH: ALVARES N.J. ; ANDERSON T.H.
CLSS: U
CONN: DAHC 20 67 C 0149
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 6708
DESC: Nuclear Weapon Effects materials fibers textiles
DESC: EXPERIMENTAL

EFFT: THERMAL
REPN: USNRDL TR 67 125
SUJO: 3-242-000
TITL: IGNITION HARDENING OF CELLULOSIC MATERIALS (U), 24 P (U)
.block
08596
.endblock
.block
copy: 1 id: 42702-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08597
ADNO: 663103
AUTH: READ P.A.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 6710
DESC: THEORY
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra
REPN: USNRDL TR 67 133
SUJO: 2-223-200
TITL: NEUTRON-INDUCED ACTIVITY ON A BEACH A METHOD FOR
CALCULATING THE
DOSE RATE (U), 18 P (U)

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08597
.endblock
.block
copy: 1 id: 42703-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08599
ADNO: 662222
AUTH: JONES D.C. ; OSBORN G.K. ; KIMELDORF D.J.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 6710
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt
REPN: USNRDL TR 67 121
SUJO: 3-312-100
TITL: INFLUENCE OF AGE AT EXPOSURE ON SOME PERSISTENT AND LATE
EFFECTS OF
IRRADIATION WITH FAST NEUTRONS (U), 20 P (U)

.block
08599

.endblock
.block
copy: 1 id: 42705-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08601
ADNO: 659980
AUTH: CROCKER G.R.
CLSS: U
CONN: AT (49 7) 1963 MOD. 6
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 6706
DESC: Nuclear Weapon Environment radiation decay isotopic half
lives
DESC: SUMMARY
REPN: USNRDL TR 67 111
SUJO: 2-223-410
TITL: FISSION PRODUCT DECAY CHAINS SCHEMATICS WITH BRANCHING
FRACTIONS,
HALF-LIVES, AND LITERATURE REFERENCES (U), 30 P (U)

.block
08601
.endblock

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copy: 1 id: 42707-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08603
ADNO: 649289
AUTH: SMITH C.V.
CLSS: U
CCDE: MOMDIS ; MOMGEN
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 6701
DESC: Radiation Transport gamma
DESC: CODE THEORY
REPN: USNRDL TR 67 9
SUJO: 9-620-000
TITL: MOMENTS METHOD COMPUTER CODE FOR RECONSTRUCTING
SCATTERED GAMMA RAY
DISTRIBUTIONS (U), 48 P (U)
TREE: 960

.block
08603
.endblock

.block
copy: 1 id: 42708-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08604
ADNO: 657932
AUTH: SINCLAIR K.F.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6705
DESC: Nuclear RDT&E Research Program Descriptions biomedical
DESC: SUMMARY
DESC: Nuclear Weapon Effects on animals ionizing radiation
REPN: USNRDL TR 67 67
SUJO: 3-312-000 ; 4-150-000
TITL: RELATIONSHIP BETWEEN THE RADIOBIOLOGICAL EFFECTS TABLE AND TACTICAL MILITARY RADIATION MEASUREMENT SYSTEM DESIGN (U), 25 P (U)

.block
08604
.endblock
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copy: 1 id: 42709-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08614
AUTH: PIPER J.R. ; NORRIS H.F. JR.
CLSS: SRD
CORP: SANDIA LABORATORIES (ALBUQUERQUE-NM) ; SANDIA LABORATORIES (LIVERMORE-CA)
DATE: 6812
DESC: Nuclear Test Simulation Field Programs experiment design x-ray experiments
DESC: Nuclear Weapon Effects reentry systems RV materials shielding L1
DESC: VARIOUS RADIATION ABSORBERS
DESC: Nuclear Weapon Effects materials plastics resins
DESC: blast shock Protection
DESC: Nuclear Weapon Effects materials metals alloys
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment X-ray Output source strength total intensity
DESC: Nuclear Weapon Environment X-ray Output energy spectrum
DESC: Nuclear Weapon Effects reentry systems RV
EFFT: X-RAY
REPN: RS 3410/1305 ; SC DR 67 500 VOL 3 PART 1
SHOT: MIDI MIST
TSHO: UG-CONTAINED ; HI-ALT

SUJO: 1-610-000 ; 1-620-000 ; 3-113-000 ; 3-113-230 ;
3-243-000 ;

3-244-000 ; 4-820-500 ; 9-860-000

TEMP: 61846

TITL: MIDI MIST EVENT-PRELIMINARY RESULTS OF MATERIALS
EXPERIMENTS (U),
358 P (SRD)

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08614

.endblock

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copy: 1 id: 42727-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08638

AUTH: KELSO J.R. ; HORTON C.E.

CLSS: C

CORP: KAMAN NUCLEAR (COLORADO SPRINGS-CO)

DATE: 6803

DESC: Nuclear Weapon Phenomenology Fireball Internal Pressure
Temperature

Density Particle Velocities

DESC: Nuclear Weapon Environment Thermal Output source
strength total

intensity

DESC: Nuclear Weapon Phenomenology Fireball Energy Partition
Energy

Coupling

DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise
Rates

DESC: SURVEY

DESC: Nuclear Weapon Environment Thermal Output rate

REPN: KN 68 188 (R) ; KN 13217

SUJO: 1-210-000 ; 1-240-000 ; 2-110-000 ; 2-130-000 ;
2-150-000

TEMP: 61869

TITL: THERMAL RADIATION PHENOMENA (U), 32 P (S)

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08638

.endblock

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copy: 1 id: 42760-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08648

AUTH: WOUTERS L.F.

CLSS: SRD

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)

DATE: 6810

DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse

EMP

DESC: THEORY
EMPF: 224 ; 240
REPN: UCID 15437 1
TSHO: UG-CONTAINED
SUJO: 2-510-000
TEMP: 61852
TITL: SOURCE MODELS FOR EM ENERGY GENERATION FROM UNDERGROUND

NUCLEAR

EXPLOSIONS, I. THE SATURATED CURRENT DIPOLE (U), 88 P

(SRD)

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08648

.endblock

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copy: 1 id: 42765-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08649

AUTH: WOUTERS L.F.

CLSS: SRD

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)

DATE: 6811

DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse

EMP

DESC: THEORY

EMPF: 240 ; 224

REPN: UCID 15437 2

TSHO: UG-CONTAINED

SUJO: 2-510-000

TEMP: 61853

TITL: SOURCE MODELS FOR EM ENERGY GENERATION FROM UNDERGROUND

NUCLEAR

EXPLOSIONS, II. THE COMPTON DIPOLE IN GRANITE (U), 51 P

(SRD)

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08649

.endblock

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copy: 1 id: 42766-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08650

ADNO: 658878

AUTH: READ P.A.

CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)

DATE: 6706

DESC: THEORY EXPERIMENTAL

DESC: Nuclear Weapon Environment fallout Deposition
topographic factors

vegetation surface roughness

REPN: USNRDL TR 67 84

SUJO: 2-225-600

TITL: MODELS OF GROUND ROUGHNESS IN A FALLOUT FIELD (U), 45 P
(U)

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08650

.endblock

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copy: 1 id: 42767-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08653

ADNO: 681231

AUTH: JENKINS A.L. ; HINKLEY D.E.

CLSS: U

CONN: DAAA 15 67 C 0589

CORP: GENERAL PHYSICS CORPORATION (ELLCOTT CITY-MD) ;
ARMY/NUCLEAR

DEFENSE LABORATORY (EDGEWOOD ARSENAL-MD)

DATE: 6811

DESC: Cross Sections gamma

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

external L1 WITHIN BLDG

DESC: THEORY EXPERIMENTAL

REPN: NDL TR 117

SUJO: 3-312-210 ; 9-830-000

TITL: APPLICATION OF MODIFIED ENGINEERING METHOD TECHNIQUES TO
SKYSHINE

RADIATION MEASUREMENTS, FINAL REPORT (U), 56 P (U)

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08653

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copy: 1 id: 42768-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08655

ADNO: 681891

AUTH: GIBSON N.N.

CLSS: U

CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD ARSENAL-MD)

DATE: 6811

DESC: test instruments nuclear radiation dosimeters radiacs

DESC: test instruments nuclear radiation gamma

REPN: NDL TM 48

SUJO: 4-341-000 ; 4-346-000

TITL: SILVER PHOSPHATE GLASS DOSIMETRY AND ITS USE AT THE US
ARMY NUCLEAR

DEFENSE LABORATORY (U), 28 P (U)

TREE: 655

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08655

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copy: 1 id: 42769-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08673

ADNO: 393617L

AUTH: JOHNSON C.F. ; MORRIS B.E. ; WICKER J.E.

CLSS: SRD

CONN: AF 33 (657) 8260 ; CCN 725

CORP: GD/FORT WORTH DIVISION (FORT WORTH-TX)

DATE: 6810

DESC: Nuclear Weapon Effects on animals thermal ocular effects

DESC: Cross Sections neutron

DESC: SHIELDING BY AIRCRAFT STEEL POLYETHYLENE ; SURVEY

DESC: Nuclear Weapon Effects on animals ionizing radiation

prompt

DESC: Cross Sections gamma

REPN: TZM 12 6148 VOL 4

SUJO: 3-312-100 ; 3-313-200 ; 9-820-000 ; 9-830-000

TEMP: 61981

TITL: FB-111A, NUCLEAR VULNERABILITY STUDY, VOLUME IV, CREW
VULNERABILITY

AND AIRCRAFT ATTENUATION, FINAL REPORT (U), 176 P (SRD)

TREE: 411 ; 412

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08673

.endblock

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copy: 1 id: 42784-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08685

ADNO: 393133L

AUTH: JENKINS R.J.

CLSS: S

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)

DATE: 6807

DESC: Nuclear Weapon Effects materials not systems associated

DESC: SURVEY

EFFT: THERMAL

REPN: USNRDL TR 68 81

SUJO: 3-240-000

TEMP: 63099
TITL: EFFECTS OF THERMAL RADIATION ON MATERIALS, A BRIEF
REVIEW (U), 41 P
(S)

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08685

.endblock

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copy: 1 id: 42789-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08689

ADNO: 840523L

AUTH: BOLTON G.W. ; WONG P.W. ; SWANEY G.A. ; BREVDY J. ;
SPOTTS R.L.

CLSS: U

CCDE: LINK I ; LINK II ; LINK III

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)

DATE: 6805

DESC: Nuclear Weapon Effects structures shipyards harbors

DESC: CODE

REPN: USNRDL CP 68 2

SUJO: 3-123-000

TITL: TARGET VULNERABILITY STUDIES (TVS), SHIPYARD AND
CONSTRUCTION

BATTALION CENTERMODEL, COMPUTER DOCUMENTATION, VOLUME I,
UNCLASSIFIED PROGRAM (U), 314 P (U)

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08689

.endblock

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copy: 1 id: 42791-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08694

ADNO: 651759

AUTH: PESTANER J.F. ; LOVE D.L.

CLSS: U

CCDE: (COMPONENTS OF GAMMA SPECTRUM)

CONN: AT (49 7) 2886

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)

DATE: 6703

DESC: Nuclear Weapon Environment Fallout isotope
concentrations

DESC: CODE

REPN: USNRDL TR 67 46

SUJO: 2-223-100

TITL: COMPUTER PROGRAM FOR IDENTIFYING AND MEASURING

COMPONENTS IN A

MIXTURE OF GAMMA-EMITTING RADIONUCLIDES (U), 35 P (U)

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08694

.endblock

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copy: 1 id: 42794-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08704

ADNO: 393619L

AUTH: ENDER T.

CLSS: SRD

CCDE: NEE-CAP

CONN: AF 33 (657) 8260 ; CCN 725

CORP: GD/FORT WORTH DIVISION (FORT WORTH-TX)

DATE: 6810

DESC: Nuclear Weapon Effects electronic subsystems

DESC: Nuclear Weapon Effects flight systems airplanes

electronics L1

DESC: Nuclear Weapon Effects Communications Systems C4
hardware radio

microwave systems

DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes

silicon-controlled rectifiers

DESC: THEORY EXPERIMENTAL CODE

EFFT: NUCLEAR RADIATION ; X-RAY

REPN: FZM 12 6148 VOL 3

SUJO: 3-111-300 ; 3-132-000 ; 3-210-000 ; 3-221-000

TEMP: 63098

TITL: FB-111A NUCLEAR VULNERABILITY STUDY, VOLUME

III-ELECTRICAL,

ELECTRONIC SUBSYSTEMS, FINAL REPORT (U), 744 P (SRD)

TREE: 398

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08704

.endblock

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copy: 1 id: 42802-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08709

ADNO: 393775L

AUTH: LAMBERT D.L.

CLSS: S

CONN: DAAA 25 67 CO 156

CORP: GD/FORT WORTH DIVISION (FORT WORTH-TX)

DATE: 6810

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Effects Communications Systems C4
hardware optical

DESC: devices sensors IR detectors
Nuclear Weapon Effects materials ceramics optical L1

GLASS

EFFT: NUCLEAR RADIATION

REPN: FZK 361

SUJO: 3-133-000 ; 3-241-000

TEMP: 63102

TITL: NUCLEAR WEAPONS VULNERABILITY RADIATION EFFECTS OPTICAL
SYSTEMS

TEST, PROJECT RAINBOW, FINAL REPORT (U), 128 P (S)

TREE: 361

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08709

.endblock

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copy: 1 id: 42806-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08710

ADNO: 393628

AUTH: KOH R.C.Y. ; FAN L.N.

CLSS: C

CCDE: ZZ

CONN: N 00228 68 C 0684

CORP: TETRA TECH INCORPORATED (PASADENA-CA) ; NAVY/NAVAL
RADIOLOGICAL

DEFENSE LABORATORY (SAN FRANCISCO-CA)

DATE: 6810

DESC: Nuclear Weapon Environment Water Shock bubbles

DESC: THEORY CODE

DESC: Nuclear Weapon Environment fallout transport

REPN: NRDL TRC 68 60 ; TC 129

TSHO: UW

SUJO: 2-224-200 ; 2-636-000

TEMP: 63097

TITL: PREDICTION OF THE RADIOACTIVE DEBRIS DISTRIBUTION
SUBSEQUENT TO A

DEEP UNDERWATER NUCLEAR EXPLOSION (U), FINAL REPORT, 266

P, (C)

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08710

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copy: 1 id: 42807-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08711

ADNO: 392775L

AUTH: GUINASSO N.L. JR. ; CHARNELL R.L. ; SCHINK D.R.
CLSS: C
CCDE: E.2 ; (ATMOSPHERIC DIFFUSION)
CONN: N 00228 67 C 1516
CORP: ISOTOPES/A TELEDYNE COMPANY (PALO ALTO-CA) ; NAVY/NAVAL
RADIOLOGICAL

DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6808
DESC: Nuclear Weapon Environment Fallout isotope
concentrations
DESC: XENON ; THEORY CODE
DESC: Nuclear Weapon Phenomenology plumes spray domes
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra
DESC: Nuclear Weapon Environment fallout transport
DESC: nuclear test detection debris fallout
REPN: PALTR 180 ; USNRDL TRC 68 38
TSHO: UW
SUJO: 2-223-100 ; 2-223-200 ; 2-224-130 ; 2-224-200 ;
4-919-000
TEMP: 63103 ; 59794 ; 59795
TITL: STUDY OF AIRBORNE RADIOACTIVITY FROM UNDERWATER NUCLEAR
TESTS (U) ,
197 P (C)

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copy: 1 id: 42808-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08724
AUTH: NEVILL A.D. ; JACOBSON A.P. ; MCDERMOTT K.A.
CLSS: U
CORP: UNIVERSITY OF MICHIGAN (ANN ARBOR-MI)
DATE: 6803
DESC: Nuclear Weapon Effects on animals ionizing radiation
DESC: BIBLIOGRAPHY
REPN: NP 17232
SUJO: 3-312-000
TITL: EFFECTS OF HUMAN EXPOSURE TO IONIZING RADIATION (U) , 70
P (U)

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08724

.endblock

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copy: 1 id: 42819-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08728

ADNO: 393560L
AUTH: BREWER G.W. ; AUSTIN R.A. ; SHAPIRO E.S. ; SHEEHAN J.R.
; SULLIVAN M.A.
CLSS: CFRD, GP 1
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 6809
DESC: INSIDE SUBMARINES ; THEORY
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic
external
DESC: Cross Sections gamma
REPN: NRDL TR 68 98
TSHO: UW
SUJO: 2-223-200 ; 3-312-210 ; 9-830-000
TEMP: 63168
TITL: RADIATION HAZARDS TO SUBMARINE CREWS FROM NUCLEAR
EXPLOSIONS (U), 58
P (CFRD)

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copy: 1 id: 42823-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 08729
ADNO: 393751L
AUTH: MILLER C.F. ; CLARK D.E. JR.
CLSS: SRD, GP 1
CONN: N 0022867 C 1143
CORP: STANFORD RESEARCH INSTITUTE (MENLO PARK-CA)
DATE: 6808
DESC: THEORY
DESC: Nuclear Weapon Environment Fallout isotope
concentrations
DESC: Nuclear Weapon Environment radiation decay isotopic half
lives
DESC: Nuclear Weapon Environment fallout fractionation
DESC: Nuclear Weapon Environment radiation decay gamma decay
DESC: Cross Sections neutron L1 ACTIVATION
REPN: TRC 68 2
SUJO: 2-223-100 ; 2-223-410 ; 2-223-420 ; 2-223-500 ;
9-820-000
TEMP: 63167
TITL: CONTRIBUTION OF INDUCED RADIOACTIVITIES IN FALLOUT FROM
NUCLEAR
EXPLOSIONS, FINAL REPORT (U), 132 P (SRD)

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.endblock
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copy: 1 id: 42824-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08733
ADNO: 837376
AUTH: KRAMER L.H.
CLSS: U
CCDE: ZZ
CORP: PHYSISCH LABORATORIUM RVO-TNO (NEDERLANDSE)
DATE: 6711
DESC: Nuclear Weapon Environment fallout intensity contours
patterns
DESC: CODE THEORY
LA: NETHERLANDS, NOT TRANSLATED
REPN: AD 837376
SUJO: 2-225-100
TITL: COMPUTERIZED CALCULATION OF DAMAGE AND FALLOUT RADIATION
DUE TO
NUCLEAR EXPLOSIONS (DE BEREKENING MET BEHULP VAN EEN
COMPUTER VAN DE
SCHADE EN DE FALLOUT-STRALING VEROORZAAKT DOOR
KERNEXPLOSIES) (U),
29 P (U)

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08733
.endblock
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copy: 1 id: 42825-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08762
ADNO: 845611
AUTH: CAMPBELL P.M.
CLSS: U
CONN: F 29601 68 C 0093
CORP: UNIVERSITY OF NEW MEXICO (ALBUQUERQUE-NM) ; AIR
FORCE/WEAPONS
LABORATORY (KIRTLAND AIR FORCE BASE-NM)
DATE: 6811
DESC: Fluid Mechanics hydrodynamics
DESC: Radiation Transport
DESC: BIBLIOGRAPHY
REPN: AFWL TR 68 119
SUJO: 9-410-000 ; 9-600-000
TITL: ANNOTATED BIBLIOGRAPHY ON HIGH TEMPERATURE RADIATION GAS
DYNAMICS
(U), 226 P (U)

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08762
.endblock
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copy: 1 id: 42865-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08766
AUTH: BJORK R.L. ; WAGNER M.H. ; LANG H.A.
CLSS: O
CCDE: SHAN ; SHEP
CONN: AF 04 (694) 990
CORP: SHOCK HYDRODYNAMICS INCORPORATED (SHERMAN OAKS-CA) ;
AVCO CORPORATION (WILMINGTON-MA) ; AIR FORCE/SPACE AND
MISSILE SYSTEMS ORGANIZATION (NORTON AIR FORCE BASE-CA)
DATE: 6709
DESC: Nuclear Weapon Effects materials coatings laminates
DESC: Nuclear Weapon Effects reentry systems RV materials L1
HETEROGENEOUS MATERIALS
DESC: Nuclear Weapon Effects materials plastics resins
DESC: RADS SIMULATION ; THEORY TABULAR CODE
DESC: Nuclear Weapon Effects reentry systems RV
EFFT: X-RAY
REPN: AVMSD 0852 67 RR VOL 6-2 ; SAMSO TR 67 121 VOL 6-2
SUJO: 3-113-000 ; 3-113-200 ; 3-244-000 ; 3-245-000
TITL: RADIATION DAMAGE STUDY PHASE II (RADS II), VOLUME VI
SHOCK PROPAGATION IN HETEROGENEOUS MATERIALS, BOOK TWO OF TWO
BOOKS, FINAL REPORT (U), 168 P (O)

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08766
.endblock
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copy: 1 id: 42869-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 08771
ADNO: 842356L
AUTH: CROWLEY J.W. ; HOGUE R .M. ; AVISE H.J. ; SMITH E.H. ;
KINER W.G.
CLSS: U
CCDE: FIREFLY
CONN: DAHC 20 67 C 0147
CORP: SYSTEM SCIENCES INCORPORATED (BETHESDA-MD)
DATE: 6810
DESC: Nuclear Weapon Environment Thermal Output source

strength total

intensity
DESC: Nuclear Weapon Effects structures aboveground cities
DESC: Radiation Transport thermal
DESC: Nuclear Weapon Effects structures aboveground interior
furnishings

DESC: Nuclear Weapon Effects structures aboveground components
DESC: THEORY CODE
DESC: Civil Defense shelters L1
DESC: Absorption Spectrum Transmission Opacity of Natural

Heated Air

EFFT: AIR BLAST ; THERMAL ; FALLOUT
SUJO: 1-210-000 ; 3-251-100 ; 3-251-200 ; 3-252-000 ;
3-474-000 ;
5-200-000 ; 9-610-000

TITL: DEVELOPMENT OF ANALYTICAL RELATIONSHIPS AND CRITERIA FOR
BLAST AND
FIRE VULNERABILITY OF FALLOUT SHELTER OCCUPANTS, FINAL
REPORT (U),
247 P (U)

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created: 12/27/1991 type: REPORT permanent

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INUM: 08853
ADNO: 682721
AUTH: STUETZER M. ; GIBSON N.N.
CLSS: U
CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD ARSENAL-MD)
DATE: 6812
DESC: SIMULATION ; THEORY EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts measuring
devices

sensors detectors
DESC: test instruments nuclear radiation gamma
EFFT: NEUTRONS
REPN: NDL TM 52
SUJO: 3-224-000 ; 4-341-000
TITL: NEUTRON SENSITIVITIES OF VARIOUS GAMMA DOSIMETERS (U),
24 P (U)

REPROCESSING OF GEOPLOSICS DATA, FINAL REPORT (U), 148
P (U)

TREE: 364

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created: 12/27/1991 type: REPORT permanent
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INUM: 08863
ADNO: 500275L
AUTH: SCHUERT E.A. ; KILLEEN P.A. ; PRITCHETT J.W. ; YOUNG
F.H.
CLSS: SFRD
CCDE: DAEDALUS
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 6807
DESC: Nuclear Weapon Environment Water Shock bubbles
DESC: Nuclear Weapon Environment fallout intensity contours
patterns L1
POOL DIMENSIONS
DESC: CODE EXPERIMENTAL THEORY
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra
DESC: Nuclear Weapon Environment radiation decay gamma decay
DESC: Nuclear Weapon Phenomenology plumes spray domes
DESC: Nuclear Weapon Phenomenology cloud columns stems
DESC: Nuclear Weapon Phenomenology base surge
REPN: NRDL TR 68 137
SHOT: SWORDFISH ; WAHOO ; UMBRELLA ; BAKER(XRD)
TSHO: UW
SUJO: 2-223-200 ; 2-223-420 ; 2-224-110 ; 2-224-120 ;
2-224-130 ;
2-225-100 ; 2-636-000
TEMP: 63268
TITL: DAEDALUS A GAMMA EXPOSURE RATE PREDICTION CODE FOR
UNDERWATER
NUCLEAR EXPLOSIONS (U), 218 P (SFRD)

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created: 12/27/1991 type: REPORT permanent

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INUM: 08873
ADNO: 678598
AUTH: LOMMASSON T.E. ; KIRKPATRICK R.G. ; HORAN J.J.
CLSS: U
CCDE: PRED 1
CONN: N 0022867 C 2277
CORP: DIKEWOOD CORPORATION (ALBUQUERQUE-NM)
DATE: 6809
DESC: THEORY CODE
DESC: Nuclear Weapon Environment fallout intensity contours
patterns
DESC: Civil Defense warning L1

DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic
external
REPN: DC FR 1061 ; NRDL TRC 68 31 ; AD 678598
SUJO: 2-223-200 ; 2-225-100 ; 3-312-210 ; 3-471-000
TITL: SPECIFICATION OF THE RADIOLOGICAL INFORMATION
REQUIREMENTS OF THE
CIVIL DEFENSE SYSTEM, FINAL REPORT (U), 155 P (U)

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copy: 1 id: 42938-1001 library: DOCUMENT price: \$.00
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created: 12/27/1991 type: REPORT permanent
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INUM: 08890
ADNO: 500443
AUTH: BERBERET J.A. ; COLTON W.J.
CLSS: U
CONN: AF 08 (635) 5798
CORP: GENERAL ELECTRIC COMPANY/TEMPO (SANTA BARBARA-CA)
DATE: 6710
DESC: Nuclear Weapon Effects ordnance explosives
DESC: EXPERIMENTAL
EFFT: NUCLEAR RADIATION
REPN: AFATL TR 67 176
SUJO: 3-163-000
TEMP: 63324
TITL: BASIC EFFECTS PRODUCED BY NUCLEAR RADIATIONS IN
EXPLOSIVE SOLIDS,
II, FINAL REPORT (U), 93 P (C)

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created: 12/27/1991 type: REPORT permanent
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INUM: 08891
ADNO: 500319
AUTH: ROLINCIK P.G.
CLSS: SRD 1
CONN: F 04701 68 C 0035
CORP: AVCO CORPORATION (WILMINGTON-MA) ; AIR FORCE/SPACE AND
MISSILE
SYSTEMS ORGANIZATION (NORTON AIR FORCE BASE-CA)
DATE: 6808
DESC: RADS SIMULATION ; TABULAR

DESC: Nuclear Weapon Effects reentry systems RV
 DESC: Nuclear Weapon Effects ordnance bombs mines warheads
 DESC: Cross Sections x-ray
 EFFT: X-RAY
 REPN: AVMSD 0410 68 CR VOL 1 ; SAMSO TR 68 480 VOL 1
 SUJO: 3-113-000 ; 3-161-000 ; 9-840-000
 TEMP: 63316
 TITL: RADIATION DAMAGE STUDY PHASE III (RADS III), SEMI-ANNUAL
 REPORT, VOLUME I, INTEGRATED HARDENED SHELL (IHS) (U), 169 P
 (SRD)
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 08895
 AUTH: DAVIS G.J.
 CLSS: SRD
 CCDE: ZZ
 CONN: F 04701 68 C 0035
 CORP: AVCO CORPORATION (WILMINGTON-MA) ; AIR FORCE/SPACE AND
 MISSILE SYSTEMS ORGANIZATION (NORTON AIR FORCE BASE-CA)
 DATE: 6808
 DESC: Nuclear Weapon Effects reentry systems penails L1
 DESC: Nuclear Weapon Effects materials metals alloys L1 AL TA
 DESC: Nuclear Weapon Effects materials ceramics optical L1
 QUARTZ
 DESC: Nuclear Weapon Effects reentry systems RV L1
 DESC: equation of state heat of vaporization thermal
 conductivity opacity
 L1 FE NI MO
 DESC: Nuclear Weapon Effects materials plastics resins L1 TWSP
 OTWR CP
 6300
 DESC: test instruments test hardware impact impulse L5 P.175
 DESC: RADS SIMULATION ; EXPERIMENTAL THEORY
 DESC: Nuclear Weapon Effects materials composites L1 AVCOAT 2
 DESC: Simulation Facilities Techniques x-ray effects L1
 EFFT: X-RAY
 REPN: SAMSO TR 68 480 VOL 2 ; AVMSD 0410 68 CR VOL 2
 SHOT: MIDI MIST; DOOR MIST; MARSHMALLOW; SCREAMER; DOUBLE
 PLAY; GUM DROP
 SUJO: 3-113-000 ; 3-117-000 ; 3-241-000 ; 3-243-000 ;
 3-244-000 ;
 3-249-000 ; 4-231-000 ; 4-317-000 ; 9-710-000
 TEMP: 63317
 TITL: RADIATION DAMAGE STUDY PHASE III (RADS III), SEMIANNUAL
 TECHNICAL

REPORT, 5 FEBRUARY 31 JULY 1968, VOLUME II TECHNOLOGY
(U), 251 P
(SRD)

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copy: 1 id: 42955-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 08897

ADNO: 849769L

AUTH: KEITH J.R. ; SHELTON F.H.

CLSS: U

CONN: DASA 01 68 C 0131

CORP: KAMAN NUCLEAR (COLORADO SPRINGS-CO)

DATE: 6809

DESC: Radiation Transport neutron

DESC: Cross Sections neutron L1 O N

DESC: TABULAR

REPN: KN 774 68 1

SUJO: 9-650-000 ; 9-820-000

TITL: 14 MEV NEUTRON TRANSPORT RESULTS (U), 65 P (U)

TREE: 970

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copy: 1 id: 42957-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 08898

ADNO: 849789L

AUTH: KEITH J.R. ; SHELTON F.H.

CLSS: U

CCDE: NHAT

CONN: DASA 01 68 C 0131

CORP: KAMAN NUCLEAR (COLORADO SPRINGS-CO)

DATE: 6811

DESC: Radiation Transport neutron

DESC: Cross Sections neutron L1 O N

DESC: AIR HEATING ; TABULAR CODE

REPN: KN 774 68 2

SUJO: 9-650-000 ; 9-820-000

TITL: NEUTRON TRANSPORT IN UNIFORM AIR BY MONTE CARLO
CALCULATIONS,

INTERIM REPORT (U), 155 P (U)

TREE: 970

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copy: 1 id: 42958-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 08908V1A5
CLSS: OUO
CORP: ROYAL AIRCRAFT ESTABLISHMENT (FARNBOROUGH-ENGLAND-U.K.)
DATE: 6802
DESC: Radiation Transport thermal
LA: UK
REPN: PAPER A 5
SUJO: 9-610-000
SYMJ: PROCEEDINGS OF THE MEETING OF PANEL N2, THERMAL EFFECTS
SYMPOSIUM,
25TH-29TH MARCH 1968, COLLECTED PAPERS, VOLUME 1,
SESSIONS A AND B
(U), 128 P (OUO)
TITL: RADIATION FROM A SOURCE ON A SURFACE BELOW A SECOND
REFLECTING
PLANE, PAPER A5(U), 10 P (U)

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08908V1A5
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 08908VLA3
AUTH: ELDRIDGE R.G.
CLSS: U
CCDE: LITE
CORP: MITRE CORPORATION (BEDFORD-MA)
DATE: 6802
DESC: Radiation Transport thermal L1
DESC: CODE
SUJO: 9-610-000
SYMJ: PROCEEDINGS OF THE MEETING OF PANEL N 2, THERMAL EFFECTS
SYMPOSIUM,
25TH-29TH MARCH 1968, COLLECTED PAPERS, VOLUME 1,
SESSIONS A AND B
(U), 128 P (OUO)
TITL: SOME RECENT TOTAL TRANSMISSION STUDIES, PAPER A 3 (U),
39 P (U)

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08908VLA3
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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
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INUM: 08910D3
AUTH: WILLIAMS D.W.B. ; PRITCHETT C.B.
CLSS: C
CORP: ATOMIC WEAPONS RESEARCH ESTABLISHMENT
(ALDERMASTON-ENGLAND-U.K.)
DATE: 6803
DESC: THEORY
DESC: Nuclear Weapon Effects on animals thermal burns heating
DESC: Target Analysis military forces L1
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt
DESC: Absorption Spectrum Transmission Opacity of Natural
Heated Air
LA: UK
SUJO: 3-312-100 ; 3-313-100 ; 3-432-000 ; 5-200-000
SYMJ: TECHNICAL CO-OPERATION PROGRAMME PROCEEDINGS OF THE
MEETING OF PANEL
COLLECTED N 2, THERMAL EFFECTS SYMPOSIUM 25TH-29TH MARCH 1968,
PAPERS, VOLUME 4 SESSIONS A AND D (U), CIRCA 100 P (C)
TITL: ASSESSMENT OF THERMAL CASUALTIES AND DAMAGE BY THE ARMY,
PAPER D 3
(U), 18 P (C)

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08910D3

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copy: 1 id: 42979-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 08911
AUTH: TRUBEY D.K. ; GURNEY J.
CLSS: U
CORP: OAK RIDGE NATIONAL LABORATORY (OAK RIDGE-TN)
DATE: 6809
DESC: BIBLIOGRAPHY
DESC: Radiation Transport
DESC: Shielding Protection
REPN: ORNL RSIC 5 VOL 2
SUJO: 9-600-000 ; 9-800-000
TITL: BIBLIOGRAPHY, SUBJECT INDEX, AND AUTHOR INDEX OF THE
LITERATURE
EXAMINED BY THE RADIATION SHIELDING INFORMATION CENTER,
REACTOR AND
WEAPONS RADIATION SHIELDING (U), 464 P (U)

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created: 12/27/1991 type: REPORT permanent
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INUM: 08931
ADNO: 390324
AUTH: DAVIES V.A.
CLSS: S
CORP: ROYAL AIRCRAFT ESTABLISHMENT (LONDON-ENGLAND-U.K.)
DATE: 6712
DESC: THEORY SUMMARY
DESC: Absorption Spectrum Transmission Opacity of Natural
Heated Air
DESC: Radiation Transport thermal
LA: UK
REPN: RAE TR 67324 ; TR 67324
TSHO: LOW-ALT
SUJO: 5-200-000 ; 9-610-000
TEMP: 63460
TITL: ATMOSPHERIC TRANSMISSION FACTORS FOR THERMAL RADIATION
FROM A
NUCLEAR EXPLOSION (U), 47 P (S)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 08958
ADNO: 684910
AUTH: GIBSON N.N. ; CRIMMINS T.W. ; CONLEY K.D. ; JACOBSON
J.R.
CLSS: U
CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD ARSENAL-MD)
DATE: 6811
DESC: EXPERIMENTAL
DESC: test instruments nuclear radiation dosimeters radiacs
REPN: NDL TM 49
SUJO: 4-346-000
TITL: THERMOLUMINESCENT DOSIMETRY AND ITS USE AT THE U.S. ARMY
NUCLEAR
DEFENSE LABORATORY (U), 32 P (U)

TREE: 655
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08958
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 08960
ADNO: 848760L
AUTH: KILMINSTER D.T. ; CLARK W.E. ; MCNEILLY J.H.
CLSS: U
CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD ARSENAL-MD)
DATE: 6812
DESC: test instruments nuclear radiation neutron
REPN: NDL TM 50
SUJO: 4-342-000
TITL: PROTOTYPE LOW-ENERGY NEUTRON SPECTROMETER (U), 35 P (U)
TREE: 652

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copy: 1 id: 43024-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 08989-255
AUTH: CHERRY J.T.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6801
DESC: Soil Rock Properties Equation of State Conductivity
SUJO: 6-300-000
SYMJ: SEISMIC COUPLING, PROCEEDINGS OF A MEETING SPONSORED BY
THE ADVANCED RESEARCH PROJECTS AGENCY, HELD AT THE STANFORD RESEARCH
INSTITUTE ON 15 AND 16 JANUARY 1968 (U), 345 P (U)
TITL: STRESS WAVE CALCULATIONS AND ROCK MECHANICS RESEARCH AT
LRL (U), 16 P (U)

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copy: 1 id: 43058-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 08992
AUTH: GUBER W. ; NAGEL R. ; GOLDSTEIN R. ; MITTELMAN P.S. ;
KALOS M.H.
CLSS: U
CCDE: MAGIC ; SAM-C
CONN: DAAD 05 67 C 0041
CORP: MATHEMATICAL APPLICATIONS GROUP INCORPORATED (WHITE
PLAINS-NY)

DATE: 6708
DESC: Nuclear Weapon Effects land transport armored vehicles
DESC: CODE
EFFT: NUCLEAR RADIATION ; PROJECTILES
REPN: MAGI 6701
SUJO: 3-151-000
TITL: GEOMETRIC DESCRIPTION TECHNIQUE SUITABLE FOR COMPUTER
ANALYSIS OF BOTH THE NUCLEAR AND CONVENTIONAL VULNERABILITY OF
ARMORED MILITARY VEHICLES, FINAL REPORT(U), 279 P (U)

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copy: 1 id: 43062-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 09029

AUTH: RODEAN H.C.

CLSS: U

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)

DATE: 6706

DESC: SUMMARY

DESC: Nuclear Weapon Environment fallout intensity contours
patterns

DESC: Nuclear Weapon Environment Ground Shock throwout
projectiles

DESC: Nuclear Energy Peaceful Applications research
development L1

DESC: Nuclear Weapon Environment Ground Shock motion strain
fracture

displacement particle velocity

DESC: Nuclear Weapon Environment Ground Shock impact pressure
stress

DESC: Nuclear Weapon Environment Ground Shock craters
excavations

DESC: Soil Rock Properties Equation of State Conductivity

REPN: UCRL 50276

TSHO: UG-VENTED

SUJO: 2-225-100 ; 2-621-000 ; 2-623-000 ; 2-625-000 ;
2-626-000 ;

3-480-200 ; 6-300-000

TITL: RESEARCH FOR UNDERSTANDING AND CONSTRUCTIVELY USING
UNDERGROUND

NUCLEAR EXPLOSIONS (U), 48 P (U)

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
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INUM: 09030
AUTH: SISEMORE C.J.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6706
DESC: Nuclear Weapon Environment Ground Shock impact pressure stress
DESC: Nuclear Weapon Environment Ground Shock cavities subsidence collapse
DESC: Nuclear Weapon Environment Ground Shock velocity arrival time
DESC: spectrum duration
DESC: Nuclear Weapon Environment Ground Shock motion strain fracture
DESC: displacement particle velocity
DESC: EXPERIMENTAL
REPN: UCRL 50295
SHOT: STERLING ; DRIBBLE
TSHO: UG-CONTAINED
SUJO: 2-621-000 ; 2-622-000 ; 2-623-000 ; 2-627-000
TITL: STERLING EVENT, CLOSE-IN PHENOMENOLOGY MEASUREMENTS (U),
27 P (U)

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created: 12/27/1991 type: REPORT permanent
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INUM: 09037
ADNO: 681941
AUTH: NOVAK M.A.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6811
DESC: Nuclear Weapon Environment Ground Shock motion strain fracture
DESC: displacement particle velocity
DESC: Nuclear Weapon Environment Ground Shock craters excavations
DESC: EXPERIMENTAL
REPN: NCG TR 5
TSHO: MULTIPLE
SUJO: 2-621-000 ; 2-625-000
TITL: LABORATORY-SCALE ROW-CHARGE CRATERING SERIES, PROJECT ZULU II, FINAL
REPORT (U), 126 P (U)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 09046
AUTH: FLEMING E.H. JR.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6703
DESC: Nuclear Weapon Environment Fallout isotope
concentrations
DESC: TABULAR
DESC: Nuclear Weapon Environment fallout intensity contours
patterns
DESC: Orbital Mechanics
REPN: UCRL 50243 (VOL. 2)
SUJO: 2-223-100 ; 2-225-100 ; 9-100-000
TITL: FISSION PRODUCT DECAY CHAINS (239-PU WITH FISSION
SPECTRUM
NEUTRONS), VOLUME II, KILOCURIES PER KILOTON VS TIME
(U), 345 P (U)

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copy: 1 id: 43118-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 09047
AUTH: FLEMING E.H.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6703
DESC: Nuclear Weapon Environment fallout intensity contours
patterns
DESC: Nuclear Weapon Environment Fallout isotope
concentrations
DESC: Orbital Mechanics
DESC: TABULAR
REPN: UCRL 50243 (VOL. 3)
SUJO: 2-223-100 ; 2-225-100 ; 9-100-000
TITL: FISSION PRODUCT DECAY CHAINS (239-PU WITH FISSION
SPECTRUM
NEUTRONS), VOLUME III, ROENTGENS PER HOUR PER KILOTON
PER SQUARE
MILE VS TIME (U), 305 P (U)

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copy: 1 id: 43119-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 09057
ADNO: 682476
AUTH: BUTLER C.P.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6806
DESC: Nuclear Weapon Effects structures aboveground cities
DESC: Nuclear Weapon Effects on animals thermal burns heating
EFFT: THERMAL
REPN: USNRDL TR 68 143
SHOT: FLAMBEAU
SUJO: 3-252-000 ; 3-313-100
TITL: OPERATION FLAMBEAU-CIVIL DEFENSE EXPERIMENT AND SUPPORT
(U), 47 P
(U)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 09105
AUTH: FLEMING E.H. JR.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6703
DESC: Orbital Mechanics
DESC: Nuclear Weapon Environment fallout intensity contours
patterns
DESC: THEORY TABULAR
DESC: Nuclear Weapon Environment Fallout isotope
concentrations
REPN: UCRL 50243 (VOL. 1)
SUJO: 2-223-100 ; 2-225-100 ; 9-100-000
TITL: FISSION PRODUCT DECAY CHAINS (239-PU WITH FISSION
SPECTRUM
NEUTRONS), VOLUME I, ATOM FRACTION OF THE TOTAL CHAIN
YIELD VS TIME,
DISCUSSION, DECAY CHAIN DIAGRAMS (U), 435 P (U)

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09105
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copy: 1 id: 43165-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 09112
CLSS: U
DATE: 6809
DESC: Nuclear Weapon Test safety L1 EM RADIATION HAZARD TO
ORDNANCE
SUJO: 4-856-000
TITL: EMR-ORDNANCE COMPATIBILITY ANALYSIS, SUPPL. 1, JTF 8/PMR
FREQUENCY
MANAGEMENT GROUP (U), 17 P., (U)

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09112
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 09115
AUTH: PARKER W.J. ; CORLETT R.C. ; LEE B.T.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 6804
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects structures aboveground cities
EFFT: THERMAL
REPN: WSCI 68 14
SUJO: 3-252-000
TITL: EXPERIMENTAL TEST OF MASS FIRE SCALING PRINCIPLES (U),
29 P (U)

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09115
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 09126
AUTH: GWYN C.W. ; SCHARFETTER D.L. ; WIRTH J.L.
CLSS: U
CCDE: ZZ
CORP: SANDIA CORPORATION (ALBUQUERQUE-NM)
DATE: 6707
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers
DESC: EXPERIMENTAL

EFFT: TREE ; NUCLEAR RADIATION
REPN: SC R 67 1158
SUJO: 3-221-000
TITL: ANALYSIS OF RADIATION EFFECTS IN SEMICONDUCTOR JUNCTION
DEVICES (U),

59 P (U)

TREE: 310

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09126

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copy: 1 id: 43180-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09136

AUTH: RABB D.D.

CLSS: U

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)

DATE: 6704

DESC: Nuclear Energy Peaceful Applications L1

DESC: SUMMARY

REPN: UCRL 50008 67 2

SUJO: 3-480-000

TITL: PLOWSHARE PROGRAM, FEBRUARY 1, 1967 APRIL 30, 1967,
VOLUME II, NO. 5
(U), 11P (U)

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09136

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copy: 1 id: 43190-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09157

AUTH: ROGERS L.A.

CLSS: U

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)

DATE: 6706

DESC: nuclear test detection seismic detection L1 DECOUPLING

REPN: UCRL 70470

SUJO: 4-910-100

TITL: NUCLEAR EXPLOSIONS IN MISSISSIPPI, PROJECTS SALMON AND
STERLING (U),
7 P (U)

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09157

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copy: 1 id: 43211-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09174
AUTH: ROBERTS J.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6704
DESC: nuclear test detection seismic detection
DESC: THEORY
REPN: UCRL 50232
SHOT: WAGTAIL ; BILBY
TSHO: UG-CONTAINED
SUJO: 4-910-100
TITL: THEORETICAL AMPLITUDES AND TRAVEL TIMES OF
EXPLOSION-GENERATED
SEISMIC P WAVES(U), 9 P (U)

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09174

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copy: 1 id: 43226-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09175
AUTH: HIGGINS G.H. ; BUTKOVICH T.R.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6702
DESC: Nuclear Weapon Environment Ground Shock cavities
subsidence collapse
DESC: THEORY
REPN: UCRL 50203
SUJO: 2-627-000
TITL: EFFECTS OF WATER CONTENT, YIELD, MEDIUM, AND DEPTH OF
BURST ON
CAVITY RADII (U), 21 P (U)

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copy: 1 id: 43227-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09192
AUTH: CRAWFORD T.V.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6709
DESC: Nuclear Energy Power Nuclear Materials site radiation

safety L1

DESC: THEORY
REPN: UCRL 70540
SUJO: 3-540-000
TITL: ATMOSPHERIC DIFFUSION OF LARGE CLOUDS (U), 27 P (U)

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copy: 1 id: 43242-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09193

AUTH: POTTER G.D. ; MCINTYRE D.R. ; POMEROY D.

CLSS: U

CONN: W 7405 ENG 48

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)

DATE: 6705

DESC: Nuclear Weapon Effects on plants ionizing radiation
chronic uptake

DESC: Nuclear Weapon Effects ecological

DESC: Nuclear Weapon Environment Fallout isotope
concentrations

DESC: EXPERIMENTAL

REPN: UCRL 70301

SHOT: cpr(66-12-28)

SUJO: 2-223-100 ; 3-332-220 ; 3-341-000

TITL: BIOLOGICAL AVAILABILITY OF RADIONUCLIDES IN FALLOUT FROM
THE CHINESE

NUCLEAR TEST OF DECEMBER 1966 (U), 14 P (U)

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09193

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copy: 1 id: 43243-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09194

AUTH: KORANDA J.J.

CLSS: U

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)

DATE: 6704

DESC: Nuclear Weapon Effects on plants ionizing radiation
chronic

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

DESC: Nuclear Weapon Environment Fallout isotope
concentrations

DESC: EXPERIMENTAL

REPN: UCRL 70292

SHOT: SEDAN
 TSHO: UG-VENTED
 SUJO: 2-223-100 ; 3-312-200 ; 3-332-200
 TITL: RESIDUAL TRITIUM AT SEDAN CRATER (U), 22 P (U)
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 09194
 .endblock
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 copy: 1 id: 43244-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 09195
 AUTH: DUFF R.E. ; GUST W.H. ; ROYCE E.B. ; MITCHELL A.C. ;
 KEELER R.N. ;
 HOOVER W.G.
 CLSS: U
 CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
 DATE: 6706
 DESC: equation of state heat of vaporization thermal
 conductivity opacity
 L1 EOS RARE EARTH METALS
 DESC: SUMMARY
 REPN: UCRL 70247
 SUJO: 9-710-000
 TITL: SHOCK-WAVE STUDIES IN CONDENSED MEDIA (U), 14 P (U)
 .block
 09195
 .endblock
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 copy: 1 id: 43245-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 09197
 AUTH: RABB D.D.
 CLSS: U
 CCDE: OGRE ; SOC III
 CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
 DATE: 6707
 DESC: Soil Rock Properties Equation of State Conductivity L1
 SHALE
 SANDSTONE
 DESC: SUMMARY
 DESC: Nuclear Energy Peaceful Applications L1
 DESC: test instruments test hardware pressure stress
 REPN: UCRL 50008 67 3
 SUJO: 3-480-000 ; 4-311-000 ; 6-300-000
 TITL: PLOWSHARE PROGRAM, MAY 1, 1967 JULY 31, 1967, VOLUME II,
 NO. 6 (U),
 20 P (U)
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09197
.endblock
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copy: 1 id: 43247-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 09237
AUTH: NELSON R.
CLSS: U
CCDE: INDIGO
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6701
DESC: Radiation Transport
REPN: UCID 15133
SUJO: 9-600-000
TITL: NOTES ON MONTE CARLO METHOD FOR NON-LINEAR RADIATION
TRANSPORT IN
GENERAL AND ON THE INDIGO CODE IN PARTICULAR (U), 12 P
(U)

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09237
.endblock
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copy: 1 id: 43270-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 09243
AUTH: SMITH C.F.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6703
DESC: Nuclear Energy Peaceful Applications resource production
gas L1
REPN: UCID 15136
SHOT: GASBUGGY
SUJO: 3-483-100
TITL: PRE-OPERATIONAL REPORT, PROJECT GASBUGGY, GAS QUALITY
ANALYSIS AND
EVALUATION PROGRAM (U), 17 P(U)

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09243
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copy: 1 id: 43276-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09264
ADNO: 686749

AUTH: FILZ R.C. ; KATZ L. ; KUCK G.A. ; SHEA M.A. ; SMART D.F.
CLSS: U
CORP: AIR FORCE/CAMBRIDGE RESEARCH LABORATORIES (BEDFORD-MA)
DATE: 6812
DESC: Ionosphere normal properties
DESC: HANDBOOK
DESC: Magnetic Fields Electric Currents in the Upper
Atmosphere Trapped
Radiation Particle Fluxes Space Radiation
DESC: ionospheric properties during storms disturbances
REPN: AFCRL 68 0666
SUJO: 5-710-000 ; 5-720-000 ; 5-800-000
TITL: CORPUSCULAR RADIATION, A REVISION OF CHAPTER 17,
HANDBOOK OF
GEOPHYSICS AND SPACE ENVIRONMENTS (U), 53 P (U)

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09264

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copy: 1 id: 43293-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09274
ADNO: 501540L
AUTH: KULANDER J.L.
CLSS: SRD 1
CONN: N 00014 67 C 0141
CORP: LOCKHEED MISSILES AND SPACE COMPANY (SUNNYVALE-CA)
DATE: 6811
DESC: Nuclear Weapon Phenomenology High-Altitude debris
resonance scatter
DESC: Nuclear Weapon Phenomenology High-Altitude induced
airglow
fluorescence
DESC: THEORY
DESC: Nuclear Weapon Phenomenology High-Altitude debris
coupling
distribution energy spectrum
DESC: Nuclear Weapon Phenomenology Fireball Chemistry
DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise
Rates
REPN: LMSC B 230946
TSHO: HI-ALT
SOCE: SPARTAN
SUJO: 2-110-000 ; 2-160-000 ; 2-211-000 ; 2-214-000 ;
2-216-000
TEMP: 63782
TITL: DEBRIS-AIR PISTON RADIATION (U), 28 P (SRD)

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copy: 1 id: 43303-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09278
AUTH: GOBEN C.A. ; SMITS F.M. ; WIRTH J.L.
CLSS: U
CORP: UNIVERSITY OF MISSOURI (ROLLA-MO) ; BELL TELEPHONE
LABORATORIES
(MURRAY HILL-NJ) ; SANDIA CORPORATION (ALBUQUERQUE-NM)
DATE: 6708
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers
EFFT: NEUTRONS ; TREE
REPN: SC RR 67 312
SUJO: 3-221-000
TITL: NEUTRON RADIATION DAMAGE IN SILICON TRANSISTORS (U), 42
P (U)
TREE: 310

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09278
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copy: 1 id: 43306-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09279
AUTH: HALBLEIB J.A. ; WALKER J.V. ; GREER C.L.
CLSS: U
CCDE: SPECTRA
CORP: SANDIA CORPORATION (ALBUQUERQUE-NM) ; BELLCOMM
INCORPORATED
(WASHINGTON-D.C.)
DATE: 6707
DESC: test instruments nuclear radiation neutron
REPN: SC DC 67 1572
SUJO: 4-342-000
TITL: NEUTRON SPECTROSCOPY BY FOIL ACTIVATION IN RADIATION
EFFECTS STUDIES
(U), 23 P(U)

TREE: 652
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09279

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copy: 1 id: 43307-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09297
ADNO: 683307
AUTH: WILTSHIRE L.L. ; PARKER W.J.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 6808
REPN: NRDL TR 68 139
TITL: IGNITION OF RETARDANT TREATED CLOTH BY NUCLEAR WEAPON
THERMAL PULSES
(U), 27 P(U)

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09297

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copy: 1 id: 43317-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 09327
ADNO: 394788L
AUTH: READ P.A. ; YOUNG C.A.
CLSS: SRD 1
CCDE: MONACO ; PHOTRAN
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 6810
DESC: Nuclear Weapon Environment X-ray Output energy spectrum
DESC: Nuclear Test Simulation Field Programs experiment design
x-ray

experiments

DESC: EXPERIMENTAL

DESC: Cross Sections x-ray

REPN: NRDL TR 68 124

SHOT: MILK SHAKE

TSHO: UG-CONTAINED

SUJO: 1-620-000 ; 4-820-500 ; 9-840-000

TEMP: 63851

TITL: MONTE CARLO CALCULATIONS AND CROSS SECTION MEASUREMENTS
IN SUPPORT

OF THE MILK SHAKE FIELD TEST, SECTION I, MONTE CARLO
CALCULATION OF

THE SCATTERED ENERGY FLUENCE, SECTION II, X-RAY MASS
ATTENUATION

COEFFICIENT MEASUREMENTS (U), 19 P(SRD)

TREE: 413 ; 930

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copy: 1 id: 43346-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 09329
ADNO: 394681L
CLSS: SRD 1
CORP: ARMY/COMBAT DEVELOPMENTS COMMAND (FORT BLISS-TX)
DATE: 6811
DESC: Nuclear RDT&E Research Program Descriptions blast shock
programs
DESC: Nuclear RDT&E Research Program Descriptions integrated
effects
system studies
DESC: SUMMARY
DESC: Simulation Facilities Techniques blast shock L1
DESC: Nuclear RDT&E Research Program Descriptions biomedical
DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear
radiation transport
DESC: Nuclear RDT&E Research Program Descriptions thermal
optical
REPN: INS S 610 68 ; USADC ACN 07377
SUJO: 4-110-000 ; 4-140-000 ; 4-150-000 ; 4-160-000 ;
4-180-000 ;
4-210-000
TEMP: 63853
TITL: ARMY QUALITATIVE RESEARCH REQUIREMENTS FOR NUCLEAR
WEAPONS EFFECTS
INFORMATION(U)

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copy: 1 id: 43348-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09343
AUTH: DAZEY M.H. ; VAN PAASSEN H.L.L. ; JOSEPHSON V.
CLSS: U
CONN: F 04701 68 C 0200
CORP: AEROSPACE CORPORATION (EL SEGUNDO-CA) ; AIR FORCE/SPACE
AND MISSILE
SYSTEMS ORGANIZATION (LOS ANGELES-CA)
DATE: 6811
DESC: SUMMARY
DESC: Plasma Physics MHD fusion
DESC: Simulation Facilities Techniques EM propagation
atmospheric
chemistry high-altitude phenomenolgy
REPN: SAMSO TR 69 132 ; TR 0200 (4308) 1
SUJO: 4-220-000 ; 9-500-000
TITL: IMPURITY EFFECTS IN INTENSE PLASMA RADIATION SOURCES
(U), 12 P (U)

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09343
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copy: 1 id: 43363-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09345
ADNO: 849745
AUTH: SLYE R.E. ; STARK W.C.
CLSS: U
CORP: AUBURN UNIVERSITY (AUBURN-AL) ; VALPARAISO TECHNICAL
INSTITUTE (VALPARAISO-IN)
DATE: 6806
DESC: test instruments electronic vulnerability TREE
DESC: Simulation Facilities Techniques TREE
DESC: EXPERIMENTAL
SUJO: 4-272-000 ; 4-372-000
TITL: FACILITY FOR TRANSIENT RADIATION EFFECTS EXPERIMENTS AT
THE NPS
LINEAR ACCELERATOR, SUBMITTED IN PARTIAL FULFILLMENT OF
THE
REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE IN
PHYSICS, AND
ALSO MASTER OF SCIENCE IN ELECTRICAL ENGINEERING (U), 54
P (U)
TREE: 642

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09345
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copy: 1 id: 43365-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 09423
ADNO: 820126
AUTH: LIEBMAN R.I.
CLSS: U
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
BASE-NM)
DATE: 6709
DESC: SUMMARY
DESC: test instruments x-ray effects
DESC: Orbital Mechanics
DESC: Radiation Transport x-ray
DESC: Simulation Facilities Techniques TREE
REPN: AFSWC TR 67 21 ; SWC TR 67 21
SUJO: 4-272-000 ; 4-330-000 ; 9-100-000 ; 9-640-000
TITL: DESIGN AND SPECTRAL DETERMINATION OF A LOW-ENERGY, FLASH

X-RAY

DEVICE (U), 63 P (U)

TREE: 642

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copy: 1 id: 43439-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 09429

ADNO: 844506L

AUTH: SHNIDER R.W.

CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)

DATE: 6810

DESC: Nuclear Weapon Effects on animals ionizing radiation chronic L1

DESC: Nuclear Weapon Effects ecological L1

REPN: NRDL TR 68 111

SUJO: 3-312-200 ; 3-341-000

TITL: HUMAN THYROID DOSE FROM MILK OF COWS GRAZING ON 131-I CONTAMINATED

PASTURAGE (U), 32 P (U)

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.endblock

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copy: 1 id: 43445-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09437AA

AUTH: YONAS G.

CLSS: SRD

CORP: PHYSICS INTERNATIONAL COMPANY

DATE: 6802

DESC: Simulation Facilities Techniques x-ray effects high explosives L1

X-RAY SHOCK

SUJO: 4-232-100

SYMJ: CONTAINED IN RADIATION EFFECTS ON PROPULSION SYSTEMS AND EXPLOSIVES

(U), FEBRUARY 1968, (SRD)

TITL: TESTING OF INERT ROCKET COMPONENTS (U), 17 P, (SRD)

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copy: 1 id: 43450-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09437AB
AUTH: CHARBONNIER F.M. ; BARBOUR J.P. ; GRUNDHAUSER F.J. ;
DYKE W.P.
CORP: FIELD EMISSION CORPORATION
DATE: 6802
DESC: Simulation Facilities Techniques x-ray effects L1
SUJO: 4-231-000
SYMJ: CONTAINED IN RADIATION EFFECTS ON PROPULSION SYSTEMS AND
EXPLOSIVES
(U), FEBRUARY 1968, (SRD)
TITL: RELIABLE PULSED ELECTRON SOURCES FOR CONTROLLED ENERGY
DEPOSITION IN
MATERIALS(U), 14 P, (U)

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copy: 1 id: 43451-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 09437AC
AUTH: THORN E.M.
CLSS: U
CORP: NAVY/NAVAL WEAPONS EVALUATION FACILITY
DATE: 6802
DESC: THEORY
DESC: Radiation Transport thermal L1
SUJO: 9-610-000
SYMJ: CONTAINED IN RADIATION EFFECTS ON PROPULSION SYSTEMS AND
EXPLOSIVES
(U), FEBRUARY 1968, (SRD)
TITL: EVALUATION OF APPROXIMATIONS USED IN THERMAL CONDUCTION
THROUGH
MULTILAYERED DEVICES (U), 41 P, (U)

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copy: 1 id: 43452-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 09437AD
DATE: 6802
DESC: Nuclear Weapon Effects ordnance electroexplosive devices
fuses L1
DESC: Nuclear Weapon Effects ordnance explosives L1

DESC: Nuclear Weapon Effects ordnance propellants solid L1
DESC: NUCLEAR RADIATION SIMULATION (REACTOR) ; EXPERIMENTAL
SUJO: 3-162-000 ; 3-163-000 ; 3-164-000
SYMJ: CONTAINED IN RADIATION EFFECTS ON PROPULSION SYSTEMS AND
EXPLOSIVES

(U), FEBRUARY 1968, (SRD)

TITL: EFFECTS OF NUCLEAR REACTOR IRRADIATION ON EXPLOSIVES AND
PROPELLANTS

(U), 22 P, (CRD)

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copy: 1 id: 43453-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09437E

AUTH: RADKE H.H.

CLSS: S

CCDE: ZZ

CORP: AEROSPACE CORPORATION

DATE: 6802

DESC: Fluid Mechanics hydrodynamics L1

DESC: Nuclear Weapon Effects ordnance propellants solid L1

DESC: X RAY ; THEORY

SUJO: 3-164-000 ; 9-410-000

SYMJ: CONTAINED IN RADIATION EFFECTS ON PROPULSION SYSTEMS AND
EXPLOSIVES

(U), FEBRUARY 1968, (SRD)

TITL: COMPUTER PROGRAM FOR SHOCK TRANSPORT IN LAYERED
VISCOELASTIC MEDIA

(U), 4 P, (S)

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copy: 1 id: 43454-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 09437F

AUTH: GROVER J.E. ; SCRIVNER G.J.

CLSS: SRD

CORP: SANDIA LABORATORIES

DATE: 6802

DESC: Nuclear Weapon Effects ordnance electroexplosive devices
fuses L1

DESC: X-RAY ; THEORY

DESC: Nuclear Weapon Effects ordnance explosives L1

DESC: Cross Sections x-ray L1

SUJO: 3-162-000 ; 3-163-000 ; 9-840-000

SYMJ: CONTAINED IN RADIATION EFFECTS ON PROPULSION SYSTEMS AND
EXPLOSIVES

(U), FEBRUARY 1968, (SRD)

TITL: OVERVIEW OF EXPLOSIVE COMPONENT VULNERABILITY WITH A
RECOMMENDED

TECHNIQUE FOR THE DESIGN OF X-RAY FILTERS FOR FIELD
EXPERIMENTS (U),
14 P, (SRD)

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copy: 1 id: 43455-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 09437G

AUTH: LOUGHRAN E.D. ; SANDFORD T.A.

CLSS: SRD

CORP: LOS ALAMOS SCIENTIFIC LABORATORY

DATE: 6802

DESC: Nuclear Weapon Effects ordnance explosives L1 GAMMA
NEUTRON

SIMULATION (REACTOR)

DESC: EXPERIMENTAL

SHOT: SMALL BOY ; MIDI MIST ; UMBER

SUJO: 3-163-000

SYMJ: CONTAINED IN RADIATION EFFECTS ON PROPULSION SYSTEMS AND
EXPLOSIVES

(U), FEBRUARY 1968, (SRD)

TITL: EFFECTS OF RADIATION ON EXPLOSIVES (U), 10 P, (SRD)

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copy: 1 id: 43456-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 09437H

AUTH: GIBBS T.R.

CLSS: SRD

CORP: LOS ALAMOS SCIENTIFIC LABORATORY

DATE: 6802

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Effects ordnance electroexplosive devices
fuses L1

GAMMA NEUTRON

SHOT: UMBER

SUJO: 3-162-000

SYMJ: CONTAINED IN RADIATION EFFECTS ON PROPULSION SYSTEMS AND
EXPLOSIVES

(U), FEBRUARY 1968, (SRD)
TITL: DETONATOR VULNERABILITY EXPERIMENTS ON UMBER (U), 16 P,
(SRD)
TREE: 394
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09437H
.endblock
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copy: 1 id: 43457-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09437I
AUTH: BUFFINGTON H.E.
CLSS: SRD
DATE: 6802
DESC: X-RAY ; EXPERIMENTAL
SHOT: NATIVE MIST ; MIDI MIST
SYMJ: CONTAINED IN RADIATION EFFECTS ON PROPULSION SYSTEMS AND
EXPLOSIVES

(U), FEBRUARY 1968, (SRD)
TITL: LMSC/NAVY PROPULSION AND PYROTECHNIC SYSTEMS (U), 24 P,
(SRD)
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copy: 1 id: 43458-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 09437J
AUTH: BORGARDT F.
CLSS: SRD
CORP: LOCKHEED PALO ALTO RESEARCH LABORATORY
DATE: 6802
DESC: X-RAY SIMULATION (ELECTRON BEAM) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects ordnance electroexplosive devices
fuses L1
SUJO: 3-162-000
SYMJ: CONTAINED IN RADIATION EFFECTS ON PROPULSION SYSTEMS AND
EXPLOSIVES

(U), FEBRUARY 1968, (SRD)
TITL: INITIATION OF EXPLOSIVES BY PULSED ELECTRONS (U), 12 P,
(SRD)
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copy: 1 id: 43459-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 09437K
AUTH: RILEY J.F.
CLSS: SRD
CORP: LOCKHEED PALO ALTO RESEARCH LABORATORY
DATE: 6802
DESC: Cross Sections x-ray L1
DESC: Nuclear Weapon Environment X-ray Output energy spectrum
L1
DESC: Nuclear Weapon Effects ordnance electroexplosive devices
fuses L1
DESC: X-RAY SIMULATION (FEBETRON)
SHOT: MIDI MIST
SUJO: 1-620-000 ; 3-162-000 ; 9-840-000
SYMJ: CONTAINED IN RADIATION EFFECTS ON PROPULSION SYSTEMS AND
EXPLOSIVES
(U), FEBRUARY 1968, (SRD)
TITL: PROBLEMS IN LABORATORY AND FIELD TEST CORRELATION (U),
19 P, (SRD)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 09437L
AUTH: THOMAS W.B. ; NICKELL R.E.
CLSS: SRD
CORP: ARMY/PROPULSION LABORATORY AND CENTER, FOHM & HAAS
REDSTONE RESEARCH
LABORATORIE
DATE: 6802
DESC: X-RAY
DESC: Nuclear Weapon Effects ordnance electroexplosive devices
fuses L1
DESC: Nuclear Weapon Effects ordnance propellants solid L1
SHOT: MIDI MIST ; NATIVE MIST
SUJO: 3-162-000 ; 3-164-000
SYMJ: CONTAINED IN RADIATION EFFECTS ON PROPULSION SYSTEMS AND
ESPLOSIVES

(U), FEBRUARY 1968, (SRD)

TITL: NUCLEAR EFFECTS ON PROPELLANTS AND SQUIBS (U), 28 P,
(SRD)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 09437M
AUTH: HARDT A.P.
CLSS: S
CORP: LOCKHEED PALO ALTO RESEARCH LABORATORY
DATE: 6802
DESC: Nuclear Weapon Effects ordnance propellants solid L1
X-RAY
DESC: SIMULATION (FEBETRON)
DESC: test instruments x-ray effects L1
SUJO: 3-164-000 ; 4-330-000
SYMJ: CONTAINED IN RADIATION EFFECTS ON PROPULSION SYSTEMS AND
EXPLOSIVES

(U), FEBRUARY 1968, (SRD)

TITL: LABORATORY DIAGNOSTICS FOR PROPELLANT VULNERABILITY (U),
10 P, (S)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 09437N
AUTH: WATCHER J. ; BRANIGAN J.
CLSS: SRD
CORP: MCDONNELL DOUGLAS ASTRONAUTICS COMPANY, AIR FORCE/ROCKET
PROPULSION

LABORATORY

DATE: 6802
DESC: Nuclear Weapon Effects missile systems L1 PROPULSION
SYSTEMS
DESC: Nuclear Weapon Effects ordnance explosives L1
DESC: SURVEY
DESC: Nuclear Weapon Effects materials metals alloys L1
ALUMINUM STEEL

ALLOYS

SUJO: 3-112-000 ; 3-163-000 ; 3-243-000
SYMJ: CONTAINED IN RADIATION EFFECTS ON PROPULSION SYSTEMS AND
EXPLOSIVES

(U), FEBRUARY 1968, (SRD)

TITL: NUCLEAR WEAPON EFFECTS ON ROCKET PROPULSION SYSTEMS (U),
36 P, (SRD)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 094370
AUTH: ECKHARDT R.C.
CLSS: SRD
CCDE: PUFF
CORP: AIR FORCE/WEAPONS LABORATORY
DATE: 6802
DESC: Nuclear Weapon Effects ordnance propellants solid L1
DESC: X-RAY SIMULATION (FLYER PLATE) ; THEORY EXPERIMENTAL
DESC: Nuclear Weapon Effects missile systems L1
SUJO: 3-112-000 ; 3-164-000
SYMJ: CONTAINED IN RADIATION EFFECTS ON PROPULSION SYSTEMS AND
EXPLOSIVES

(U), FEBRUARY 1968, (SRD)

TITL: DYNAMIC RESPONSE OF MISSILE SHELL COMPOSITES TO
IMPULSIVE LOADS (U),
29 P, (SRD)

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created: 12/27/1991 type: REPORT permanent

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INUM: 09437P
ADNO: 390128L
AUTH: PAITCHEL H. ; FOUSE R.R.
CLSS: SRD
CORP: PICATINNY ARSENAL, NORTHROP CORPORATE LABS
DATE: 6802
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects ordnance electroexplosive devices
fuses L1
SHOT: NEW POINT
SUJO: 3-162-000
SYMJ: CONTAINED IN RADIATION EFFECTS ON PROPULSION SYSTEMS AND
EXPLOSIVES

(U), FEBRUARY, 1968, (SRD)

TITL: ELECTROEXPLOSIVE DEVICE RELIABILITY EXPERIMENTS (U), 40
P, (SRD)

TREE: 394

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 09437R
AUTH: BERBERET J.A.
CLSS: SRD

CORP: GENERAL ELECTRIC COMPANY
DATE: 6802
DESC: Nuclear Weapon Effects ordnance explosives L1 NUCLEAR
RADIATION
SIMULATION (REACTOR)
DESC: EXPERIMENTAL
SUJO: 3-163-000
SYMJ: CONTAINED IN RADIATION EFFECTS ON PROPULSION SYSTEMS AND
EXPLOSIVES

(U), FEBRUARY 1968, (SRD)
TITL: TRANSIENT RADIATION EFFECTS IN EXPLOSIVE SOLIDS (U), 20
P, (SRD)

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 09437S
AUTH: ROTH J. ; BLACKBURN J.H. ; SEELY L.B.
CLSS: U
CORP: STANFORD RESEARCH INSTITUTE
DATE: 6802
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects ordnance explosives L1 THERMAL
SHOCK

SIMULATION

SUJO: 3-163-000

SYMJ: CONTAINED IN RADIATION EFFECTS ON PROPULSION SYSTEMS AND
EXPLOSIVES

(U), FEBRUARY 1968, (SRD)

TITL: EFFECT OF INITIAL TEMPERATURE ON SHOCK SENSITIVITY OF
GRANULAR

EXPLOSIVES (U), 12 P, (U)

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 09437T
AUTH: SEELY L.B. ; BLACKBURN J.H. ; ROTH J.
CLSS: U
CORP: STANFORD RESEARCH INSTITUTE
DATE: 6802
DESC: Nuclear Weapon Effects ordnance explosives L1 SHOCK
SIMULATION
DESC: Fluid Mechanics hydrodynamics L1

SUJO: 3-163-000 ; 9-410-000
SYMJ: CONTAINED IN RADIATION EFFECTS ON PROPULSION SYSTEMS AND
EXPLOSIVES

(U), FEBRUARY 1968, (SRD)

TITL: SHOCK HUGONIOTS OF GRANULAR EXPLOSIVES (U), 17 P, (U)

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 09437U

AUTH: KEPLER R.G.

CLSS: U

CORP: SANDIA LABORATORIES

DATE: 6802

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Effects ordnance explosives CRYSTALS

X-RAY SIMULATION

(FLASH X-RAY)

SUJO: 3-163-000

SUJO: 3-163-000
SYMJ: CONTAINED IN RADIATION EFFECTS ON PROPULSION SYSTEMS AND
EXPLOSIVES

(U), FEBRUARY 1968, (SRD)

TITL: RADIATION EFFECTS IN MOLECULAR CRYSTALS (U), 8 P, (U)

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copy: 1 id: 43469-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 09437V

AUTH: BOWMAN N.J.

CLSS: SRD

CORP: GENERAL ELECTRIC COMPANY

DATE: 6802

DESC: Nuclear Weapon Effects ordnance electroexplosive devices
fuses L1

X-RAY SIMULATION PRE TEST ANALYSIS

SHOT: MILK SHAKE ; MING VASE

SUJO: 3-162-000

SUJO: 3-162-000
SYMJ: CONTAINED IN RADIATION EFFECTS ON PROPULSION SYSTEMS AND
EXPLOSIVES

(U), FEBRUARY 1968, (SRD)

TITL: ACTIVITIES OF GE-RSD RADIATION TESTING OF EXPLOSIVES
(U), 20 P,

(SRD)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09437W
AUTH: GLASS R.A. ; PHUNG P.V. ; W.A. HARRISON
CLSS: U
CORP: LOCKHEED PALO ALTO RESEARCH LABORATORY, STANFORD
UNIVERSITY
DATE: 6802
DESC: Nuclear Weapon Effects ordnance explosives L1 X-RAY
INITIATION
THEORY
DESC: THEORY
SUJO: 3-163-000
SYMJ: CONTAINED IN RADIATION EFFECTS ON PROPULSION SYSTEMS AND
EXPLOSIVES
(U), FEBRUARY 1968, (SRD)
TITL: THEORETICAL STUDIES OF INITIATION (U), 22 P, (U)

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copy: 1 id: 43471-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09437Z
AUTH: LITTLE R. ; DOW J. ; NABLO S.
CLSS: S
CORP: ION PHYSICS CORPORATION
DATE: 6802
DESC: Simulation Facilities Techniques x-ray effects high
explosives L1
X-RAY SHOCK
SUJO: 4-232-100
SYMJ: CONTAINED IN RADIATION EFFECTS ON PROPULSION SYSTEMS AND
EXPLOSIVES
(U), FEBRUARY 1968, (SRD)
TITL: CHARGE TRAPPING AND CONDUCTIVITY STUDIES IN INSULATING
MEDIA (U), 13
P, (S)

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copy: 1 id: 43472-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 09489
ADNO: 828066
AUTH: KAUFMAN R. ; HEILFERTY R.J.
CLSS: U
CCDE: ZZ
CORP: NAVY/NAVAL APPLIED SCIENCE LABORATORY (BROOKLYN-NY)
DATE: 6802
DESC: Nuclear Weapon Effects structures aboveground models
beams
DESC: THEORY EXPERIMENTAL CODE
EFFT: THERMAL
REPN: P R 6
SUJO: 3-259-500
TITL: EQUATIONS AND COMPUTER PROGRAM TO CALCULATE THE
TEMPERATURE
DISTRIBUTION AND HISTORY IN A TEE BEAM SUBJECT TO
THERMAL RADIATION
FROM A NUCLEAR WEAPON (U), 17 P (U)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 09490
ADNO: 832258
AUTH: AMELINK I.H.
CLSS: U
CORP: WETENSCHAPPELIJK EN TECHNISCH DOCUMENTATIE (DEN
HAAG-NEDERLANDS)
DATE: 6712
DESC: BIBLIOGRAPHY
DESC: Nuclear Weapon Phenomenology Atmospheric Ionization
Chemistry
DESC: Nuclear Weapon Effects EM Propagation
DESC: Nuclear Weapon Effects electronic pieceparts
LA: NETHERLANDS
REPN: TDCK 49707
SUJO: 2-310-000 ; 2-320-000 ; 3-220-000
TITL: NUCLEAR RADIATION EFFECTS ON ELECTRONIC COMPONENTS AND
APPARATUS, A
SELECTIVE BIBLIOGRAPHY (U), 75 P (U)
TREE: 300 ; 150

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copy: 1 id: 43511-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
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INUM: 09521
ADNO: 668342
AUTH: SHEA J.J.
CLSS: U
CONN: OCD PS 64 200 ; N 228 (62479) 69512
CORP: COSMIC INCORPORATED (BETHESDA-MD) ; NAVY/NAVAL
RADIOLOGICAL DEFENSE
LABORATORY(SAN FRANCISCO-CA)
DATE: 6804
DESC: Target Analysis civilians population at risk casualties
L1
DESC: Nuclear Weapon Effects on animals blast shock
DESC: SUMMARY
REPN: C I 127 ; NRDL TRC 67 23
SUJO: 3-311-000 ; 3-433-000
TITL: BLAST CASUALTY PREDICTION PAST, PRESENT, AND FUTURE,
FINAL REPORT
(U), 135 P(U)

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copy: 1 id: 43536-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 09533
ADNO: 828558
AUTH: SMITH K.R.
CLSS: U
CCDE: NET-1
CORP: ARMY/MISSILE COMMAND (REDSTONE ARSENAL-AL)
DATE: 6802
DESC: EXPERIMENTAL CODE
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers
EFFT: NUCLEAR RADIATION ; NEUTRON
REPN: RL TR 67 6
SUJO: 3-221-000
TITL: TECHNIQUES FOR DETERMINATION OF TRANSISTOR
CHARACTERISTICS IN A
NEUTRON ENVIRONMENT, PART I (OF A THREE PART SERIES)
(U), 57 P (U)

TREE: 310

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copy: 1 id: 43544-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09547
ADNO: 394446
AUTH: DAVIS L.W. ; SUMMERS D.L. ; BAKER W.L. ; KELLER J.A.
CLSS: C 3
CONN: N 0022866 C 1116 ; N 0022867 C 2276
CORP: DIKEWOOD CORPORATION (ALBUQUERQUE-NM)
DATE: 6801
DESC: Nuclear Weapon Effects on animals ionizing radiation
DESC: Nuclear Weapon Effects on animals thermal
DESC: Nuclear Weapon Effects on animals blast shock
DESC: Target Analysis civilians population at risk casualties

L1

DESC: Nuclear Weapon Effects structures aboveground cities
DESC: TABULAR
EFFT: FIRE
REPN: DC FR 1060
SHOT: HIROSHIMA ; NAGASAKI
SUJO: 3-252-000 ; 3-311-000 ; 3-312-000 ; 3-313-000 ;
3-433-000

TEMP: 65248
TITL: PREDICTION OF URBAN CASUALTIES AND THE MEDICAL LOAD FROM

A

HIGH-YIELD NUCLEAR BURST, FINAL REPORT (U), 376 P (C)

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copy: 1 id: 43556-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 09573
ADNO: 667933
AUTH: VOGT D. ; GRAYER J.
CLSS: U
CCDE: DNFDE
CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD ARSENAL-MD)
DATE: 6803
DESC: Radiation Transport gamma
DESC: Radiation Transport neutron
DESC: CODE
REPN: NDL TM 40
SUJO: 9-620-000 ; 9-650-000
TITL: DETECTOR ENERGY INTEGRATION PROGRAM DESIGNED TO OPERATE
ON THE NGM

CODE OUTPUT(U), 121 P (U)

TREE: 960 ; 970

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 09584
ADNO: 393365
AUTH: KEISTER G.L. ; SEILER R.F. ; HUNTER L.T.
CLSS: SRD 1
CONN: F 04694 67 C 0049
CORP: BOEING COMPANY (SEATTLE-WA) ; AIR FORCE/SPACE AND
MISSILE SYSTEMS
ORGANIZATION(NORTON AIR FORCE BASE-CA)
DATE: 6803
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers
DESC: SIMULATION (FLYER PLATE LINAC) SABRE ; EXPERIMENTAL
SUMMARY
EFFT: X-RAY ; NEUTRON ; THERMAL
REPN: SAMSO TR 68 352
SUJO: 3-221-000
TEMP: 65280
TITL: ADVANCED GUIDANCE SYSTEM RADIATION STUDIES, FINAL
REPORT(U), 300 P
(SRD)
TREE: 342

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09584
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copy: 1 id: 43586-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 09585
ADNO: 395016L
AUTH: TIFFANY E.G. ; LAPIN L.L. ; SMITH D.R. ; SHAPIRO E.S. ;
ZIELSKI J.S.
CLSS: SRD 1
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 6808
DESC: Nuclear Weapon Effects radar systems effects
DESC: THEORY
DESC: Nuclear Warfare Strategic operations scenarios threats
L1
DESC: Nuclear Weapon Phenomenology Atmospheric Ionization
Chemistry
general descriptions
REPN: NRDL TR 68 91

SUJO: 2-311-000 ; 2-322-400 ; 3-421-100
TEMP: 65274
TITL: FEASIBILITY OF A LAND-BASED BALLISTIC-MISSILE ATTACK ON
A SEA-BASED

BALLISTIC-MISSILE INTERCEPT SYSTEM (SABMIS) (U), 167 P
(SRD)

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copy: 1 id: 43587-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 09592

ADNO: 824549

AUTH: FRENCH R.L.

CLSS: U

CORP: RADIATION RESEARCH ASSOCIATES INCORPORATED (FORT
WORTH-TX)

DATE: 6711

DESC: Cross Sections gamma L1 BLDG

DESC: Civil Defense shelters L1

DESC: THEORY

REPN: RRA M 75

SUJO: 3-474-000 ; 9-830-000

TITL: EXTENSION OF THE ENGINEERING METHOD TO IMPROVE FALLOUT
PROTECTION

FACTOR CALCULATIONS FOR BASEMENTS, PAPER TO BE PRESENTED
AT THE 1967

WINTER MEETING OF THE AMERICAN NUCLEAR SOCIETY, CHICAGO,
ILLINOIS,

NOVEMBER 5-9, 1967 (U), 16 P (U)

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 09596

AUTH: CHERRY J.T. ; LARSON D.B. ; RAPP E.G.

CLSS: U

CCDE: SOC

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)

DATE: 6805

DESC: Nuclear Weapon Environment Ground Shock motion strain
fracture

displacement particle velocity

DESC: THEORY CODE

DESC: Nuclear Weapon Environment Ground Shock velocity arrival

time

spectrum duration
REPN: UCRL 50419
SHOT: GASBUGGY
SUJO: 2-621-000 ; 2-622-000
TITL: COMPUTER CALCULATIONS OF THE GASBUGGY EVENT (U), 11 P
(U)

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09596

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copy: 1 id: 43593-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09598
AUTH: HEMMENDINGER AL ; DIVEN B.C. ; BROWN W.K. ; ELLIS AL ;
FURNISH A. ;
SHUNK E.R. ; FULLWOOD R.R.

CLSS: U
CORP: LOS ALAMOS SCIENTIFIC LABORATORY (LOS ALAMOS-NM)
DATE: 6712
DESC: Nuclear Weapon Environment Prompt Neutron energy
spectrum
DESC: SUMMARY
DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear

radiation transport
DESC: test instruments nuclear radiation neutron
DESC: Orbital Mechanics
DESC: Nuclear Weapon Environment Prompt Neutron time of flight
REPN: LA 3478 ; PART 1
SHOT: PARROT ; PETREL
TSHO: UG-CONTAINED
SUJO: 1-120-000 ; 1-150-000 ; 4-140-000 ; 4-342-000 ;
9-100-000
TITL: TIME-OF-FLIGHT NEUTRON CROSS-SECTION MEASUREMENTS MADE
WITH NEUTRONS
FROM NUCLEAR EXPLOSIONS (U), 24 P (U)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 09633
AUTH: STRINGER J.L. ; BOURASSA R.R.
CLSS: U
CORP: BATTELLE MEMORIAL INSTITUTE NORTHWEST (RICHLAND-WA)
DATE: 6806

DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects electrical mechanical cables
wires
EFFT: TREE
REPN: BNWL 749
SUJO: 3-231-000
TITL: NUCLEAR RADIATION INDUCED CURRENTS IN COAXIAL SIGNAL
CABLES (U), 46
P (U)
TREE: 390

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 09641
ADNO: 848010
AUTH: CROCKER G.R.
CLSS: U
CONN: AT (49 7) 1963 MOD. 6
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)

DATE: 6806
DESC: Orbital Mechanics
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra
DESC: Nuclear Weapon Environment fallout fractionation
DESC: THEORY
REPN: NRDL TR 68 134
SUJO: 2-223-200 ; 2-223-500 ; 9-100-000
TITL: RADIATION PROPERTIES OF FRACTIONATED FALLOUT PREDICTIONS
OF
ACTIVITIES EXPOSURE RATES AND GAMMA SPECTRA FOR SELECTED
SITUATIONS
(U), 280 P (U)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09643
ADNO: 848228L
AUTH: FREILING E.C. ; CROCKER G.R.
CLSS: U
CONN: AT (49 7) 1963
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN

FRANCISCO-CA)

DATE: 6806
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment fallout fractionation
DESC: Nuclear Weapon Environment Fallout isotope
concentrations
DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear

radiation transport
REPN: NRDL TR 68 140
SHOT: SMALLBOY
SUJO: 2-223-100 ; 2-223-500 ; 4-140-000
TITL: RADIOCHEMICAL DATA CORRELATIONS FOR SMALL BOY. I.
SELECTION, ADJUSTMENT AND CONDENSATION OF DATA (U), 100 P (U)

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copy: 1 id: 43627-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 09649
ADNO: 849712L
AUTH: KASTEN R.R. ; RYBICKI W.N.
CLSS: U
CCDE: INITIAL NUCLEAR WEAPONS EFFECTS
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)

DATE: 6812
DESC: CODE
DESC: Nuclear Warfare Target Analysis general models L1
REPN: NRDL CP 68 3
SUJO: 3-430-100
TITL: DESCRIPTION OF DATA CARD INPUT SUBROUTINES, AND COMMON
AREAS OF THE

IMPROVED INITIAL NUCLEAR WEAPON EFFECTS PROGRAM,
APPENDIX A (U),
135 P (U)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 09650
ADNO: 848308L
AUTH: HUEBSCH I.O.
CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)

DATE: 6812

DESC: THEORY

DESC: Nuclear Weapon Phenomenology cloud development rise

DESC: Nuclear Weapon Environment fallout fractionation

DESC: Nuclear Weapon Environment Fallout Formation mechanics

DESC: Nuclear Weapon Environment fallout intensity contours patterns

DESC: Nuclear Weapon Environment Fallout Particles size distribution

REPN: NRDL TR 68 141

TSHO: WATER-SURFACE

SUJO: 2-221-000 ; 2-222-300 ; 2-223-500 ; 2-224-100 ; 2-225-100

TITL: FORMATION, DISPERSION AND DEPOSITION OF FALLOUT PARTICLES FROM

SEA-WATER-SURFACE NUCLEAR EXPLOSIONS (U), 188 P (U)

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created: 12/27/1991 type: REPORT permanent

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INUM: 09663

ADNO: 500150L

AUTH: TASLITT N.

CLSS: SRD 1

CONN: AF MIPR FO 4701 8 28

CORP: NAVY/NAVAL ORDNANCE LABORATORY (WHITE OAK-MD)

DATE: 6811

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic subsystems computers memory L1

MEMORY CORE

DESC: Nuclear Weapon Effects materials metals alloys L1 PERMALLOY FERRITE

EFFT: X-RAY ; TREE

REPN: NOLTR 68 171

SHOT: MIDI MIST ; HUPMOBILE ; MILK SHAKE ; DORSAL FIN

TSHO: UG-CONTAINED

SUJO: 3-212-000 ; 3-243-000

TEMP: 65394

TITL: TRANSIENT RADIATION EFFECTS ON MAGNETIC DEVICES (U), 126 P (SRD)

TREE: 341

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 09678
ADNO: 500450L
AUTH: KASTEN R.R. ; RYBICKI W.N.
CLSS: C 3
CCDE: MOESAICS ; INITIAL WEAPONS EFFECTS
CONN: N 00228 68 C 1752
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6812
DESC: Nuclear Weapon Effects ship systems submarines
DESC: Nuclear Weapon Effects ship systems surface ships
REPN: NRDL CP 68 3
TSHO: SURFACE ; UW
SUJO: 3-121-000 ; 3-122-000
TEMP: 65403
TITL: DEVELOPMENT OF AN IMPROVED INITIAL NUCLEAR WEAPON EFFECTS COMPUTER
PROGRAM (U), 103 P (C)

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copy: 1 id: 43653-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 09680
ADNO: 395046L
AUTH: STOLL A.M. ; JUDGE L.B.
CLSS: U
CORP: NAVY/AIR DEVELOPMENT CENTER (JOHNSVILLE-PA)
DATE: 6809
DESC: Nuclear Weapon Effects flight systems airplanes L1 CREW PROTECTION
DESC: Nuclear Weapon Effects on animals thermal burns heating
EFFT: THERMAL
REPN: NADC MR 6811
SUJO: 3-111-000 ; 3-313-100
TEMP: 65405
TITL: THERMAL RADIATION PROTECTION CLOTHING ASSEMBLY, INTERIM REPORT ON
LABORATORY EVALUATION OF (U), 4 P (C)

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copy: 1 id: 43655-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 09738
ADNO: 395854L
CLSS: SRD 1
CONN: F 33615 68 C 1417
CORP: AVCO CORPORATION (LOWELL-MA)
DATE: 6810
DESC: blast shock Protection L1
DESC: Nuclear RDT&E Research Program Descriptions electronic
vulnerability
L1
DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear
radiation transport L1
DESC: Cross Sections x-ray L1
REPN: W 250 6 68 145 ; AVSSD 0213 68 CR
SUJO: 4-140-000 ; 4-170-000 ; 9-840-000 ; 9-860-000
TEMP: 65522
TITL: MULTIFUNCTIONAL ABLATIVE PLASTIC COMPOSITES FOR HIGH
PERFORMANCE
MISSILE THERMAL QUARTERLY PROGRESS REPORT 1 (U), 15 P

(SRD)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 09757
ADNO: 821956
AUTH: EMDEE D.G.
CLSS: U
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
BASE-NM)
DATE: 6710
DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear
radiation transport
DESC: Nuclear RDT&E Research Program Descriptions electronic
vulnerability
DESC: Nuclear Weapon Effects electronic pieceparts
EFFT: NEUTRON ; GAMMA
REPN: AFWL TR 67 98
SUJO: 3-220-000 ; 4-140-000 ; 4-170-000
TITL: REDUCTION AND COMPILATION OF NAP RADIATION EFFECTS DATA
(U), 19 P
(U)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 09812
AUTH: OVERMYER R.F. ; MORTON B.J. ; EGGERS G.H. ; BRUSH D.S.
CLSS: SFRD 1
CCDE: GATFAP
CONN: DA 49 186 AMC 371 (X)
CORP: GULF GENERAL ATOMIC INCORPORATED (SAN DIEGO-CA)
DATE: 6807
DESC: EXPERIMENTAL
DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear
radiation transport
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers
DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits
EFFT: X-RAY ; THERMAL ; NUCLEAR RAD
REPN: GA 8934
SUJO: 3-221-000 ; 3-222-000 ; 4-140-000
TEMP: 65701
TITL: EXPERIMENTS ON SEMICONDUCTOR DEVICES, FINAL REPORT (U),
140 P (SRD)
TREE: 310 ; 320

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 09837
ADNO: 685798
AUTH: HUGHES B.C.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6809
REPN: NCG 2
TITL: NUCLEAR CONSTRUCTION ENGINEERING TECHNOLOGY (U), 174 P
(U)

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copy: 1 id: 43756-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 09879
ADNO: 869163L
AUTH: BRITTEN A.J. ; WIGHTMAN R.R. ; BROWN D.I. ; LUKENS C.
CLSS: U
CONN: AMCMS CODE 5900.21.20001
CORP: FRANKFORD ARSENAL (PHILADELPHIA-PA)
DATE: 6802
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects materials ceramics optical
EFFT: THERMAL
REPN: M 68 18 1
SUJO: 3-241-000
TITL: EFFECTS OF HIGH INTENSITY THERMAL RADIATION ON INFRARED
MATERIALS,
(U), MEMORANDUM REPORT, 24 P (U)

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created: 12/27/1991 type: REPORT permanent
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INUM: 09922
ADNO: 502082
CLSS: C
CCDE: COBRA
CORP: C-E-I-RINCORPORATED
DATE: 6801
DESC: Nuclear Warfare Target Analysis general models L1
DESC: OPERATORS MANUAL
SUJO: 3-430-100
TEMP: 67136
TITL: COMPREHENSIVE BLAST AND RADIATION ASSESSMENT SYSTEM (U),
THE COBRA
SYSTEM, 82 P (U)

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copy: 1 id: 43815-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 09946
ADNO: 385184
AUTH: READ P.A.
CLSS: SRD 1
CCDE: ZZ
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN

FRANCISCO-CA)

DATE: 6711
DESC: Nuclear Weapon Effects reentry systems RV L5 X-RAY
DESC: Cross Sections x-ray L1
REPN: USNRDL TR 67 115
SUJO: 3-113-000 ; 9-840-000
TEMP: 67120 ; A5398
TITL: COMPUTER CODE FOR CALCULATING ENERGY DEPOSITI N BY X
RAYS IN

MULTILAYER SLABS (U), 30 P (SRD)

TREE: 413

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 09952
ADNO: 388060L
AUTH: CASSOLA R.L. ; MATTHEWS R.G. ; LEACH E.R.
CLSS: SRD 1
CONN: DA 49 083 OSA 3176
CORP: BATTELLE MEMORIAL INSTITUTE (COLUMBUS-OH)
DATE: 6801
DESC: Simulation Facilities Techniques nuclear radiation
reactors isotopic
sources L5

DESC: Nuclear Weapon Effects ordnance bombs mines warheads L1
NEUTRONS

THERMAL

DESC: THEORY

DESC: Nuclear Weapon Environment Prompt Neutron energy
spectrum L5 DEV-32
DEV-1

DESC: Simulation Facilities Techniques TREE L5

DESC: Radiation Transport neutron L1

DESC: Nuclear Weapon Environment Prompt Neutron source
strength total
fluence L1

DESC: Nuclear Weapon Effects reentry systems RV L5 MARK2
POLARIS NEUTRONS

REPN: BAT 197 A 1 4

TSHO: LO-ALT

SUJO: 1-110-000 ; 1-120-000 ; 3-113-000 ; 3-161-000 ;
4-241-000 ;

4-272-000 ; 9-650-000

TEMP: 67130

TITL: NEUTRON VULNERABILITY (U), 37 P (SRD)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 10009
ADNO: 501371L
AUTH: LUNDBERT C.W. ; HEWITT F.G.
CLSS: SRD
CONN: DA 49 186 AMC 244 (X)
CORP: UNIVAC/FEDERAL SYSTEMS (ST PAUL-MN)
DATE: 6806
DESC: test instruments thermal optical ir L1 MASS RECORDER
DESC: Nuclear Weapon Effects electronic subsystems recorders
amplifiers L5
NUCLEAR RADIATION THERMAL SHOCK
DESC: EXPERIMENTAL
REPN: PX 4926 ; HDL 244 1
PROJ: RP 203
SUJO: 3-213-000 ; 4-380-000
TEMP: 67510
TITL: INSTRUMENTATION FOR OPERATION MIGHTY SKY--PROJECT RP
203, FINAL
REPORT (U), 122 P (SRD)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 10066
CLSS: SRD 1
CORP: DASA INFORMATION AND ANALYSIS CENTER/TEMPO (SANTA
BARBARA-CA)
DATE: 6810
DESC: Radiation Transport x-ray L1
DESC: Nuclear Weapon Environment X-ray Output source strength
total
intensity L9 (P 13)
DESC: Fluid Mechanics hydrodynamics L1
REPN: TMP 61111
SHOT: DOOR MIST ; DIANA MOON
SUJO: 1-610-000 ; 9-410-000 ; 9-640-000
TEMP: 61111
TITL: DASA OUTPUT WORKING GROUP MEETING (U), 16 P (SRD)
TREE: 980

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copy: 1 id: 43905-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 10377
ADNO: 507096
AUTH: VAN LINT V.A.J.
CLSS: SRD 1
CONN: AF 04 694 960
CORP: GULF GENERAL ATOMIC INCORPORATED (SAN DIEGO-CA)
DATE: 6712
DESC: test instruments x-ray effects L5
DESC: Simulation Facilities Techniques nuclear radiation
reactors isotopic
sources L5
DESC: Nuclear Weapon Effects materials not systems associated
L5 SILICON
ANNEPLING
DESC: Nuclear Weapon Effects electrical mechanical cables
wires L9 P17
DESC: Simulation Facilities Techniques TREE L5
DESC: Nuclear Weapon Effects Communications Systems C4
hardware L5
GYROSCOPES
DESC: Nuclear Weapon Effects missile systems strategic L1
MINUTEMAN
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors
vacuum tubes dielectrics relays switches L5
DESC: Nuclear Weapon Effects electronic subsystems guidance
control L1
DESC: EXPERIMENTAL SUMMARY
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L5
DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits L5
REPN: SAMSO TR 70 7 VOL 1
SHOT: DRY MIST ; MILK SHAKE- MIDI MIST
TSHO: UNDERGROUND
SUJO: 3-112-100 ; 3-130-000 ; 3-211-000 ; 3-221-000 ;
3-222-000 ;
3-229-000 ; 3-231-000 ; 3-240-000 ; 4-241-000 ;
4-272-000 ;
4-330-000
TEMP: 69989
TITL: BALLISTIC MISSILE SYSTEMS RESPONSE TO NUCLEAR WEAPONS
EFFECTS,
VOLUME 1. BALLIST MISSILE AND INERTIAL GUIDANCE SYSTEMS
(U), 292 P
(SRD)
TREE: 342
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 10540
AUTH: MARTEN G.N. ; DEVAN D.I.
CLSS: U
CCDE: RADSAFE
CONN: DA 49 146 XZ 530
CORP: INFORMATION SCIENCE INSTITUTE (SANTA BARBARA-CA)
DATE: 6712
REPN: RM 67 ISI 5
TITL: RADIATION EXPOSURE ACCOUNTING COMPUTER PROGRAM, RADSAFE,
INCLUDES
RADFIN (U), 149 P (U)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 10614
AUTH: MCDONNELL C. ; VELLETRI J.
CLSS: U
CONN: DA 18 20 ENG 3407
CORP: RADIATION TEST FACILITY (FT BELVOIR-VA)
DATE: 6702
DESC: FALLOUT FRAME STRUCTURES ; EXPERIEMENTAL
DESC: Civil Defense shelters L1
DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear
radiation transport L1 98 L1
REPN: TR 24
SUJO: 3-474-000 ; 4-140-000
TITL: RADIATION DISTRIBUTION WITHIN A MULTISTORY STRUCTURE,
FINAL REPORT
(U), 105 P, (U)

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10614
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copy: 1 id: 44510-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 11038

ADNO: 670480
AUTH: SHUMWAY B.W.
CLSS: U
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)
DATE: 6802
DESC: Nuclear Weapon Environment fallout Deposition
topographic factors
vegetation surface roughness L1
DESC: SIMULATION ; EXPERIMENTAL
REPN: USNRDL TR 6837
SUJO: 2-225-600
TITL: ANGULAR RADIATION CHARACTERISTICS OF ROUGH SURFACES
CONTAMINATED
WITH FALLOUT SIMULANT (U), 50 P (U)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 11146

CLSS: U

DATE: 6712

DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra L1

ABOVE GROUND PHASE

DESC: SIMULATION ; EXPERIMENTAL TABULAR

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

external L5

SUJO: 2-223-200 ; 3-312-210

TITL: SPECTRAL MEASUREMENTS OF SCATTERED PHOTONS FROM A POINT
SOURCE NEAR

THE AIR-GROUND INTERFACE (U), 66 P, (U)

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11146

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 11147

AUTH: ALVARES N.J.

CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)

DATE: 6704

REPN: USNRDL TR 67 25

TITL: OXYGEN CONCENTRATION AND PRESSURE EFFECTS ON THE
IGNITION OF DELLULOSIC FUELS BY THERMAL RADIATION (U), 31 P, (U)

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11147

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copy: 1 id: 44934-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 11148

ADNO: 661458

AUTH: SHELBERG W.E. ; TRACY E.T.

CLSS: U

CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN
FRANCISCO-CA)

DATE: 6708

DESC: SURVEY SUMMARY

DESC: Nuclear Weapon Effects structures aboveground cities L1
THERMAL MASS

FIRES

REPN: USNRDL TR 67 100

SUJO: 3-252-000

TITL: COUNTERMEASURE CONCEPTS FOR USE AGAINST URBAN MASS FIRES
FROM

NUCLEAR WEAPON ATTACK (U), 59 P, (U)

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11148

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copy: 1 id: 44935-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 11721

AUTH: SPRING R.L.

CLSS: U

CONN: DACA 31 67 C 0018

CORP: RADIATION TEST FACILITY (FT BELVOIR-VA)

DATE: 6804

DESC: Cross Sections gamma L1 CONCRETE ROOFS

DESC: EXPERIMENTAL THEORY

REPN: RTF TR 28

SUJO: 9-830-000

TITL: GAMMA RAY ATTENUATION THROUGH NON UNIFORM CONCRETE
SLABS, FINAL

REPORT (U), 62P, (U)

TREE: 411

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11721

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 copy: 1 id: 45423-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 11722
AUTH: VALLETRI J. ; SPRING R. ; WAGONER J. ; GIGNILLIAT H.
CLSS: U
CONN: DACA 31 67 C 0018
CORP: RADIATION TEST FACILITY (FT BELVOIR-VA)
DATE: 6812
DESC: EXPERIMENTAL THEORY
DESC: Cross Sections gamma L1 BY BUILDINGS
REPN: TR 27 ; NRDL TRC 68 69
SUJO: 9-830-000
TITL: EXPERIMENTAL ANALYSIS OF INTERIOR PARTITIONS, APERTURES
AND
 NONUNIFORM WALLS, FINAL REPORT (U), 86 P, (U)
TREE: 411

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copy: 1 id: 45424-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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INUM: 11770
ADNO: 510400L
CLSS: SRD
CORP: MASSACHUSETTS INSTITUTE OF TECHNOLOGY (CAMBRIDGE-MA)
DATE: 6808
DESC: Nuclear Weapon Effects electronic subsystems guidance
control L1
 SABRE GAMMAS NEUTRONS SIMULATION POOR COPY
DESC: EXPERIMENTAL
REPN: E 2206 V 1
SUJO: 3-211-000
TEMP: 77367
TITL: SABRE ELECTRONICS NUCLEAR RADIATION REPORT VOLUME I (U),
CIRCA 100
 P, (SRD)
TREE: 342

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.endblock
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copy: 1 id: 45463-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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INUM: 12029
ADNO: 510401L
AUTH: LEGER R.S.
CLSS: SRD
CONN: F 04694 67 C 0028
CORP: MASSACHUSETTS INSTITUTE OF TECHNOLOGY (CAMBRIDGE, MA)
DATE: 6808
DESC: Nuclear Weapon Effects electronic pieceparts measuring
devices
sensors detectors L1 GYRO ACCELEROMETER
DESC: SIMULATION (REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits L1
DESC: Nuclear Weapon Effects flight systems airplanes
electronics L1
EFFT: NEUTRON ; GAMMA
REPN: E 2206 V.2
SUJO: 3-111-300 ; 3-222-000 ; 3-224-000
SYST: SABER
TEMP: 77366
TITL: SABRE ELECTRONICS NUCLEAR RADIATION REPORT, VOL. 2 (U),
508 P.,

(SRD)
TREE: 398
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copy: 1 id: 45659-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 12465
ADNO: 884632L
AUTH: EZELL G.R.
CLSS: U
CONN: DAAG 13 68 C 0007
CORP: BROWN ENGINEERING CO (HUNTSVILLE ALA)
DATE: 6810
DESC: LASER RADIATION ; EXPERIMENTAL
DESC: Nuclear RDT&E Research Program Descriptions electronic
vulnerability
L1
REPN: RL NXDO 283
SUJO: 4-170-000
TITL: FEASIBILITY STUDY FOR SIMULATION OF SECONDARY GAMMA
EFFECTS ON
SEMICONDUCTORS WITH INFRARED IRRADIATION (U), 21 P., (U)
TREE: 642

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12465
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copy: 1 id: 46011-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 12590
AUTH: GAWAIN T.H. ; PRITCHETT J.W.
CLSS: U
CCDE: TURBOCODE
CORP: NAVAL RADIOLOGICAL DEFENSE LAB (SAN FRANCISCO CA)
DATE: 6805
DESC: THEORY
DESC: Fluid Mechanics hydrodynamics L1
REPN: NRDL TR 68 86
SUJO: 9-410-000
TITL: TURBULENCE IN AN UNBOUNDED UNIFORM-SHEAR FLOW. A
COMPUTER ANALYSIS
(U), 175 P., (U)

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12590
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copy: 1 id: 46142-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 12639
AUTH: NICHOLS J.R. ; LIPSKA A.E.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB., (SAN FRANCISCO CA)
DATE: 6802
DESC: test instruments EM propagation atmospheric chemistry L1
REPN: NRDL TR 68 41
SUJO: 4-320-000
TITL: ANALYTICAL GAS CHROMATOGRAPH FOR PRODUCTS OF
ISOTHERMALLY DEGRADED
POLYMERS (U), 45 P., (U)

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12639
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copy: 1 id: 46195-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 12640
AUTH: LIPSKA A.E. ; WODLEY, F.A.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB (SAN FRANCISCO CA)
DATE: 6803
DESC: EXPERIMENTAL
DESC: ignition flammability ablation L1 CELLULOSE

REPN: NRDL TR 68 89
SUJO: 9-730-000
TITL: ISOTHERMAL PYROLYSIS OF CELLULOSE KINETICS AND GAS
CHROMATOGRAPHIC/

MASS SPECTROMETRIC ANALYSIS OF THE DEGRADATION PRODUCTS
(U), 43 P.,

(U)

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12640

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copy: 1 id: 46196-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 12825

AUTH: HUEBSCH I.O.

CLSS: U

CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)

DATE: 6805

DESC: SUMMARY

DESC: Nuclear Weapon Environment fallout Deposition L5

DESC: Nuclear Weapon Phenomenology cloud Motion L5

REPN: NRDL LR 68 48

SUJO: 2-224-000 ; 2-225-000

TITL: DEVELOPMENT OF A FALLOUT MODEL FOR WATER-SURFACE BURSTS,
ANNUAL

TECHNICAL SUMMARY REPORT ON DASA SUBTASK 10.007 (U), 6

P., (U)

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12825

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copy: 1 id: 46365-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 12826

AUTH: HUEBSCH I.O.

CLSS: U

CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)

DATE: 6805

DESC: Nuclear Weapon Phenomenology cloud development rise L1

DESC: Nuclear Weapon Environment fallout transport L5

DESC: SUMMARY

REPN: NRDL LR 68 47

SUJO: 2-224-100 ; 2-224-200

TITL: ANALYSIS OF FIREBALL-CLOUD AND CLOUD-ATMOSPHERE
TRANSISTIONS FOR

IMPROVEMENT OF WEAPON EFFECTS PREDICTION, ANNUAL
TECHNICAL SUMMARY

REPORT ON DASA NWER A-7, SUBTASK RRP4 075 (U), 13 P.,

(U)

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INUM:      12856
ADNO:      385 066
AUTH:      READY J.F. ; OGREN H.D. ; JONES A.L.
CLSS:      SRD 1
CCDE:      PUFF 66
CONN:      F 04694 67 C 0003
CORP:      HONEYWELL, INC., SYSTEMS AND RESEARCH CENTER
(MINNEAPOLIS, MINN.)
DATE:      6709
DESC:      Nuclear Weapon Effects materials ceramics optical L5
PHOTOCERAME
DESC:      Nuclear Weapon Effects electronic pieceparts measuring
devices
           sensors detectors L5 ACCELEROMETER
DESC:      Nuclear Weapon Effects electronic subsystems guidance
control L1 X
           RAY
DESC:      Nuclear Weapon Effects materials metals alloys L5
BERYLLIUM ALUMINUM
           MAGNESIUM CARBON 3244 L5 LUCITE
DESC:      FLUID SYSTEMS RADIATION HARDNESS SIMULATION (E BEAM) ;
TABULAR
           EXPERIMENTAL
DESC:      Nuclear Weapon Effects electronic pieceparts resistors
capacitors
           vacuum tubes dielectrics relays switches L5 AMPLIFIERS,
SWITCHES
           3113 L1
REPN:      12538 FRI II ; BSD TR 67 121 VOL. 2
SUJO:      3-211-000 ; 3-224-000 ; 3-229-000 ; 3-241-000 ;
3-243-000
TEMP:      A0232
TITL:      ADVANCED MISSILE SUBSYSTEM VULNERABILITY STUDY, VOL.
2-FLUID
           COMPONENT RADIATION HARDNESS EVALUATION (U), 177 P.,
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  copy: 1   id: 46391-1001       library: DOCUMENT   price: $.00
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  created: 12/27/1991  type: REPORT  permanent
.endblock

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INUM: 12988
AUTH: JOHN W. ; SCHNEPPLE W. ; SEVER D. ; ZIMMERMANN K.
CLSS: U
CONN: AF 29 (601) 7242
CORP: EG+G, ALBUQUERQUE DIV/SOUTHWEST GROUP (ALBUQUERQUE,NM)
DATE: 6707
DESC: test instruments nuclear radiation gamma L1
REPN: EGG S 398 R
SUJO: 4-341-000
TITL: PROJECT BASS DRUM RADIATION DETECTOR STUDIES (U), 35 P.,
(U)
TREE: 651

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12988
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copy: 1 id: 46516-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 13130
CLSS: U
CORP: DEFENCE CHEMICAL, AND BIOLOGICAL AND RADIATION
ESTABLISHMENT
(OTTAWA, CANADA)
DATE: 6709
DESC: SUMMARY
DESC: Nuclear RDT&E Research Program Descriptions biomedical
L1
LA: CANADA
SUJO: 4-150-000
TEMP: A0506
TITL: MINUTES OF FIRST MEETING OF PANEL N-5 (NUCLEAR EFFECTS
ON PERSONNEL)
(U), CA. 40 P., (OUO)

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copy: 1 id: 46654-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 13130-APP.
AUTH: BROWNING L.E.
CLSS: U
CORP: ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE (BETHESDA,
MD.)
DATE: 6709
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt L5
BIBLIOGRAPHY ONLY

SUJO: 3-312-100
SYMJ: BOUND IN MINUTES OF FIRST MEETING OF PANEL N-5 (NUCLEAR
EFFECTS ON PERSONNEL)

TITL: BIBLIOGRAPHY ON RECOVERY (U), 1 P., (U)

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13130-APP.

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copy: 1 id: 46655-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 13451

AUTH: BABA A.J. ; BEHRENS W. ; RATTNER S. ; REYZER R.

CLSS: SRD 1

CORP: HARRY DIAMOND LABS. (WASH., D.C.)

DATE: 6712

DESC: Nuclear RDT&E Research Program Descriptions electronic
vulnerability

L1

DESC: SURVEY

REPN: D68 00690 ; 38495 ; HDL TM 67 22

SUJO: 4-170-000

TEMP: A1256

TITL: REVIEW OF NUCLEAR RADIATION RESISTANT MICROELECTRONICS
(U) 92 P.,

(SRD)

TREE: 320

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13451

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copy: 1 id: 46941-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 13452

ADNO: 385 235

AUTH: STRAW D.C. ; BREEN W.M. ; SHAUGHNESSY D.J.

CLSS: SRD 1

CORP: AIR FORCE WEAPONS LAB. (KIRTLAND AFB, NM)

DATE: 6710

DESC: test instruments nuclear radiation beta electron beams
L1

DESC: EXPERIMENTAL

DESC: test instruments nuclear radiation dosimeters radiacs L1
DYED

ACETATE FILM CALORIMETER

DESC: Simulation Facilities Techniques TREE L1 E-BEAM
PROPERTIES OF AFWL
SIMULATOR

REPN: D67 02749 ; 37941 ; AFWL TR 67 64
 SUJO: 4-272-000 ; 4-344-000 ; 4-346-000
 TEMP: A1253
 TITL: ADVANCED DOSIMETRY TECHNIQUES FOR PULSED ELECTRON
 SOURCES (U), 40
 P., (SRD)
 TREE: 654 ; 655
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 13452
 .endblock
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 copy: 1 id: 46942-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 13461
 ADNO: 382116L
 AUTH: GOETSCHER C.T. ; CAMPANILE V.A. ; CURTIS R.M. ; WILSON
 J.N.
 CLSS: U
 CONN: DA 31 124 ARO (D) 54
 CORP: SHELL DEVELOPMENT CO. (EMERYVILLE, CA.)
 DATE: 6706
 REPN: D68 08912 ; 39085 ; S 14020
 TEMP: A1272
 TITL: FUNDAMENTAL RESEARCH ON ADVANCED OXIDIZERS, EXPLORATORY
 RADIATION
 CHEMISTRY (U), 28 P., (C)
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 13461
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 13466-475
 AUTH: CONRAD E.E. ; HAAS P.H. ; KEISTER G.L. ; VAN LINT V.A.J.
 CLSS: SRD 1
 CORP: HARRY DIAMOND LABS. (WASHINGTON, D.C.) ; DEFENSE ATOMIC
 SUPPORT
 AGENCY (WASH., D.C.) ; BOEING CO. (SEATTLE, WASH.) ;
 GENERAL ATOMIC
 (SAN DIEGO, CA.)
 DATE: 6704
 DESC: SUMMARY
 SYMJ: ARMRAC PROCEEDINGS, VOL. 16, PT. 2
 TITL: ANALYSIS AND TESTING OF MILITARY ELECTRONICS SYSTEMS IN
 A NUCLEAR
 WEAPON RADIATION ENVIRONMENT (U), 41 P., (SRD)
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 13466-475

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copy: 1 id: 46959-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 13502
ADNO: 383905
AUTH: OVERMYER R.F.
CLSS: S 1
CONN: DA 28 043 AMC 02446(E)
CORP: GENERAL DYNAMICS CORP., GENERAL ATOMIC DIV. (SAN DIEGO, CA.)
DATE: 6709
DESC: Nuclear Weapon Effects materials ceramics optical L1 QUARTZ
DESC: Nuclear Weapon Effects materials plastics resins L1 TREE IEMP LUCITE
EPOXY RUBBER SPACE CHARGE
DESC: SIMULATION (FLASH X-RAYS) ; EXPERIMENTAL
REPN: GA 1802 SUPP. ; ECOM 02446 3A
SUJO: 3-241-000 ; 3-244-000
TEMP: A1315
TITL: RADIATION EFFECTS IN DIELECTRIC MATERIALS (U), 16 P., (S)
TREE: 385

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copy: 1 id: 46995-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 13503
ADNO: 388941
AUTH: SZYMKOWIAK E.A. ; SUKIS D.R. ; HARRISON S.E.
CLSS: C 3
CONN: DAAB 07 67 C 0450
CORP: MARTIN MARIETTA CORP., NUCLEAR DIV. (BALTIMORE, MD.)
DATE: 6803
DESC: SIMULATION (FLASH X-RAY, ACCELERATOR, CO 60) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects materials plastics resins L1 TREE TEFLON
REPN: MND 3324 ; ECOM 0450 F
SUJO: 3-244-000
TEMP: A1317
TITL: TRANSIENT RADIATION EFFECTS ON SELECTED PROPERTIES OF TEFLON (U), 88 P., (C)
TREE: 385

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 13572
ADNO: 393326
AUTH: FISHER R.H. ; NOWAK M.J. ; STUART G.W.
CLSS: SRD 1
CCDE: F HUFF
CONN: AF 04 (694) 960
CORP: GULF GENERAL ATOMIC INC. (SAN DIEGO, CA.)
DATE: 6711
DESC: Radiation Transport x-ray L1
DESC: Cross Sections x-ray L1 TA U W SI
DESC: Nuclear Weapon Effects materials metals alloys L1 X-RAY
DESC: THEORY CODE
REPN: GA 7708 REV. ; BSD TR 67 122
SUJO: 3-243-000 ; 9-640-000 ; 9-840-000
TEMP: A1398
TITL: NUCLEAR RADIATION HANDBOOK (U), 108 P., (SRD)

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13572
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copy: 1 id: 47065-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 13587
ADNO: 392709L
AUTH: DEKNIGHT E.W. ; GADBOIS G.A. ; DEAN E.B. ; EVERS T.H. ;
PRITCHARD
E.K. ; DUNN H.W. ; HELLER A.
CLSS: SRD 1
CORP: NAVAL ORDNANCE LAB. (SILVER SPRING, MD.)
DATE: 6806
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1
DESC: Nuclear Weapon Effects reentry systems RV L1 ELECTRONICS
TIMER X-RAY
TREE
DESC: Nuclear Weapon Effects electronic pieceparts magnetic
devices L1
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors
vacuum tubes dielectrics relays switches L1 CAPACITORS
TRANSFORMERS

DESC: THEORY EXPERIMENTAL
 REPN: NOLTR 68 32
 SHOT: MILK SHAKE ; DORSAL FIN ; MIDI MIST
 TSHO: UG-CONTAINED
 SUJO: 3-113-000 ; 3-221-000 ; 3-225-000 ; 3-229-000
 SYST: MK 17 RV
 TEMP: A1416
 TITL: ENGINEERING REPORT OF REMOTE SETTABLE RADIATION
 RESISTANT ELECTRONIC
 TIMER (U), 100 P., (SRD)
 TREE: 396
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 13587
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 13592
 ADNO: 384954L
 CLSS: SRD 1
 CCDE: ELTRAN
 CONN: AF 04 (695) 990
 CORP: AVCO CORP., MISSILES SYSTEMS DIV. (WILMINGTON, MASS.)
 DATE: 6704
 DESC: RADS II SIMULATION (E BEAM) ; THEORY
 DESC: Nuclear Weapon Effects reentry systems RV L1 X-RAY
 DESC: Radiation Transport electron L1
 DESC: Radiation Transport x-ray L1
 REPN: AVMSD 0300 67 CR ; BSD TR 67 236
 SUJO: 3-113-000 ; 9-640-000 ; 9-680-000
 TEMP: A1422
 TITL: RADIATION DAMAGE STUDY PHASE II (RADS II), VOL. 2;
 APPENDIXES (U),
 161 P., (SRD)
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 13592
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 copy: 1 id: 47080-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 13595
 ADNO: 384953
 CLSS: SRD 1
 CCDE: SHEP ; DEBI ; DAFFER ; F HUFF
 CONN: AF 04 (694) 990
 CORP: AVCO CORP., MISSILES SYSTEMS DIV. (WILMINGTON, MASS.)
 DATE: 6704
 DESC: Nuclear Weapon Effects materials metals alloys L1 PB AL

GRAPHITE

DESC: RADS II SIMULATION (E BEAM, FLYER PLATE) ; THEORY
EXPERIMENTAL

TABULAR

DESC: Cross Sections x-ray L1 RV MATERIALS

DESC: Radiation Transport x-ray L5

DESC: Nuclear Weapon Effects reentry systems RV L1X-RAY

MATERIALS

REPN: AVMSD 0300 67 CR

SHOT: KINGFISH ; STARFISH ; MARSHMALLOW

TSHO: HI-ALT

SUJO: 3-113-000 ; 3-243-000 ; 9-640-000 ; 9-840-000

TEMP: A1425

TITL: RADIATION DAMAGE STUDY PHASE II (RADS II), VOL. 1 CA.
300 P., (SRD)

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 13600

AUTH: CINGO R.

CLSS: SRD 1

CONN: AF 04 (694) 786 AN

CORP: TRW SYSTEMS ; NORTH AMERICAN ROCKWELL CORP. ; BELL
AEROSYSTEMS CO.

DATE: 6811

DESC: Nuclear Weapon Effects missile systems strategic L1
X-RAY PROPULSION

SYSTEM

DESC: THEORY EXPERIMENTAL

REPN: C8 2713/601

SHOT: MILK SHAKE

TSHO: UG-CONTAINED

SUJO: 3-112-100

SYST: MINUTEMAN III

TEMP: A1431

TITL: RADIATION TEST OF PBPS COMPONENTS (CCN 108) (U), 230 P.,
(SRD)

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13600

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copy: 1 id: 47087-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 13607

ADNO: 393665

AUTH: LAFFERTY D.L. ; GATES D.C. ; HINRICHS C.K.
 CLSS: S 3
 CONN: F 29601 67 C 0093
 CORP: AEROJET-GENERAL CORP. (SAN RAMON, CA.)
 DATE: 6810
 DESC: Simulation Facilities Techniques TREE L1
 DESC: THEORY
 DESC: Simulation Facilities Techniques x-ray effects L1
 REPN: AFWL TR 68 88 ; CR AN 1618
 SUJO: 4-231-000 ; 4-272-000
 TEMP: A1438
 TITL: DEVELOPMENT OF A LABORATORY COAXIAL PLASMA RADIATION
 SOURCE (U), 104
 P., (S)
 TREE: 642
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 copy: 1 id: 47097-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 13791
 ADNO: 384674L
 AUTH: WAXLER D. ; PAITCHEL H.
 CLSS: SRD 1
 CORP: ARMY, PICATINNY ARSENAL (DOVER, NJ.)
 DATE: 6709
 DESC: SURVEY
 DESC: Nuclear Weapon Effects ordnance explosives L1 X-RAYS
 GAMMA RAYS
 NEUTRONS EMP PHOTONS ALPHA PARTICLES
 DESC: Nuclear Test Simulation Field Programs experiment design
 neutron
 experiments L5
 DESC: Nuclear Test Simulation Field Programs experiment design
 x-ray
 experiments L5
 DESC: Nuclear Weapon Effects ordnance propellants solid L1
 X-RAYS GAMMA
 RAYS NEUTRONS EMP PHOTONS ALPHA PARTICLES
 SHOT: SILVER BELL ; PIN STRIPE ; WISHBONE ; NEW POINT ;
 DILUTED WATERS ;
 MIDI MIST ; SMALL BOY ; ALVA ; TEE ; SCREAMER
 TSHO: UG (LOS)
 SUJO: 3-163-000 ; 3-164-000 ; 4-820-300 ; 4-820-500
 SYST: SERGEANT ; NIKE-X ; PERSHING 1B ; SAM-D
 TEMP: A1022
 TITL: PROCEEDINGS; US ARMY MUNITIONS COMMAND CONFERENCE ON
 RADIATION
 EFFECTS ON EXPLOSIVES, 18-20 MAY 1966 (U), 326 P., (SRD)
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13791
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 13913
ADNO: 857516
AUTH: PHILLIPS G.A.
CLSS: U
CONN: AF 04 (694) 946
CORP: BOEING CO., MISSILE DIV. (SEATTLE, WASH.)
DATE: 6810
DESC: Nuclear Weapon Effects ordnance electroexplosive devices
fuses L1

SQUIB LEDC FLSC MDF
DESC: Nuclear Weapon Effects ordnance explosives L1 LEAD AZIDE
RDX
DESC: X-RAY NUCLEAR RADIATION PERMANENT DAMAGE ; EXPERIMENTAL
REPN: D2 31685 2 ; SAMSO TR 69 167
SHOT: TAPESTRY
TSHO: UG-CONTAINED
SUJO: 3-162-000 ; 3-163-000
SYST: MINUTEMAN
TITL: TEST PYROTECHNICS FOR RADIATION TESTS (U), 111 P., (U)

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13913

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copy: 1 id: 47329-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 14306
ADNO: 856102
AUTH: ALVI S.M.S. ; CHECHILE R.A.
CLSS: U
CORP: NORTH AMERICAN ROCKWELL CORP., AUTONETICS DIV. (ANAHEIM,
CA.)

DATE: 6803
DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits L1

DESC: THEORY
EFFT: NEUTRON ; TREE
REPN: X8 1648/501
SUJO: 3-222-000
TITL: DESIGNING AND ASSURING NEUTRON RADIATION HARDNESS IN
INTEGRATED

CIRCUITS (U), 3 P., (U)

TREE: 610 ; 430
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copy: 1 id: 47724-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 14477
ADNO: 717535
CLSS: U
CORP: ARMY TEST AND EVALUATION COMMAND (ABERDEEN PROVING
GROUND, MD.)
DATE: 6806
DESC: SUMMARY
DESC: Nuclear Weapon Effects on animals RF microwave L1
VHF/UHF/MICROWAVES
EMPF: 500
SUJO: 3-314-000
SYST: AN/FPS-16
TITL: RADIO FREQUENCY RADIATION HAZARDS TO PERSONNEL (U), 6
P., (U)

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14477
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copy: 1 id: 47859-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 14575
AUTH: JESSEN P.L. ; PRICE H.J.
CLSS: SRD 1
CONN: DA 01 021 AMC 90029 (Y)
CORP: KAMAN NUCLEAR (COLORADO SPRINGS, CO.)
DATE: 6803
DESC: THEORY
DESC: Nuclear Weapon Effects materials metals alloys L1 AU NI
CU GE
DESC: test instruments IR L1
DESC: Nuclear Weapon Effects electronic pieceparts solar cells
L1 LWIR
EFFT: X-RAY ; NEUTRON ; THERMAL
REPN: KN 703 10 (R)
TSHO: LOW-ALT ; HI-ALT
SOCE: HORN ; ARROW ; MACE
SUJO: 3-223-000 ; 3-243-000 ; 4-383-000
TEMP: 57644
TITL: NUCLEAR RADIATION INTERACTIONS WITH OPTICAL SYSTEMS (U),
CA. 30 P.,

(SRD)
TREE: 361
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14575
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copy: 1 id: 47947-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 14844
AUTH: HERICKHOFF R.J. ; CHAFFIN J.H. ; KHAMBATA A.J.
CLSS: U
CONN: AF 04 (695) 865
CORP: UNIVAC (ST. PAUL, MN)
DATE: 6703
DESC: Nuclear Weapon Effects electrical mechanical cables
wires L5
DESC: SIMULATION (FLASH X-RAY) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts measuring
devices
sensors detectors L1
DESC: Nuclear Weapon Effects electronic subsystems recorders
amplifiers L1
RECORDER AMPLIFIER
DESC: Nuclear Weapon Effects electronic pieceparts magnetic
devices L1
DESC: test instruments hardened instruments L1 HARDENED
RECORDER
EFFT: TREE
REPN: PX 4439
SUJO: 3-213-000 ; 3-224-000 ; 3-225-000 ; 3-231-000 ;
4-360-000
TITL: TRANSIENT RADIATION EFFECTS RECORDER (TRADER); VOL. 1,
(U), 230 P.,
(U)
TREE: 368

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14844
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copy: 1 id: 48155-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 14887
AUTH: HONNOLD V.R. ; BERGGREN C.C. ; BUTCHER D.T.
CLSS: U
CONN: DAAB 07 67 C 0052
CORP: HUGHES AIRCRAFT CO. (FULLERTON, CA.)
DATE: 6705
DESC: THEORY
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1

EFFT: TREE
REPN: FR 67 10 100 ; ECOM 0052 2
SUJO: 3-221-000
TITL: RADIATION EFFECTS IN THIN FILM TRANSISTORS (U), 32 P.,
(U)
TREE: 320
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14887
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copy: 1 id: 48175-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 14888
AUTH: POLL R.A. ; LEAVY J.F.
CLSS: U
CONN: N 00014 66 C 0347
CORP: GENERAL ATOMIC (SAN DIEGO, CA.)
DATE: 6705
DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits L1
DESC: SIMULATION (LINAC) ; EXPERIMENTAL
EFFT: TREE
REPN: GA 7969 ; NR 321 011
SUJO: 3-222-000
TITL: STUDY OF TRANSIENT-RADIATION-INDUCED LATCHUP (U), 78 P.,
(U)
TREE: 320
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14888
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copy: 1 id: 48176-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 14889
AUTH: CHANG W.W. ; RAYMOND J.P.
CLSS: U
CORP: NORTRONICS (NEWBURY PARK, CA.)
DATE: 6700
DESC: SIMULATION (FLASH X-RAY) ; THEORY EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1
EFFT: TREE
SUJO: 3-221-000
TITL: PREDICTION OF INTEGRATED FLIP-FLOP CIRCUIT RADIATION
VULNERABILITY
(U), 11 P., (U)
TREE: 320

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copy: 1 id: 48177-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 14890
ADNO: 654134
AUTH: RAYMOND J.P. ; JOHNSON R.E.
CLSS: U
CONN: DA 28 043 AMC 00423 (E)
CORP: NORTRONICS (NEWBURY PARK, CA.)
DATE: 6706
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1
DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits L1
DESC: SIMULATION (LINAC FLASH X-RAY) ; THEORY EXPERIMENTAL
CODE
EFFT: TREE
REPN: ARD 67 21R ; ECOM 00423 F
SUJO: 3-221-000 ; 3-222-000
TITL: GENERALIZED MODEL FOR SEMICONDUCTOR RADIATION RESPONSE
PREDICTION
(U), 180 P., (U)
TREE: 250

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14890
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copy: 1 id: 48178-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 14891
AUTH: FRANKOVSKY F.A.
CLSS: U
CONN: DA 28 043 AMC 0237
CORP: IBM CORP., FEDERAL SYSTEMS DIV. (OWEGO, NY)
DATE: 6705
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors
vacuum tubes dielectrics relays switches L1 CAPACITORS
DESC: SIMULATION (FLASH X-RAY) ; THEORY EXPERIMENTAL
EFFT: TREE
REPN: 67 521 3 ; ECOM 02374 3
SUJO: 3-229-000
TITL: RADIATION EFFECTS ON ELECTRONIC PARTS AND MATERIALS (U),
48 P., (U)

TREE: 370
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14891
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copy: 1 id: 48179-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 14892
ADNO: 811274
AUTH: DICKINSON R.W. ; DUBYOSKI R.H. ; HANNAH L.T. ; HARRISON
R.C. ; KAZI
A.H. ; TOMLINSON J.R. ; WATSON J.E. JR. ; WATSON J.L. ;
YOCKEY H.P.
CLSS: U
CORP: BALLISTIC RESEARCH LABS. (ABERDEEN PROVING GROUND, MD.)
DATE: 6702
DESC: Simulation Facilities Techniques nuclear radiation
reactors isotopic
sources L1
REPN: BRL R 1356
SUJO: 4-241-000
TITL: SAFETY ANALYSIS REPORT FOR ARMY PULSE RADIATION FACILITY
FAST PULSE
REACTOR (U), 189 P., (U)
TREE: 642

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copy: 1 id: 48180-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 14895
AUTH: KRUEGER A.F. ; STRAHAN V.H.
CLSS: U
CONN: DA 28 043 AMC 01467 (E)
CORP: NORTH AMERICAN AVIATION, INC., AUTONETICS DIV. (ANAHEIM,
CA)
DATE: 6702
DESC: SIMULATION (LINAC FLASH X-RAY) ; THEORY EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits L1
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors
vacuum tubes dielectrics relays switches L1 CAPACITORS
EFFT: TREE
REPN: ECOM 01467 F
SUJO: 3-222-000 ; 3-229-000
TITL: RADIATION EFFECTS ON THIN-FILM MICROELECTRONICS (U), 41

P., (U)
TREE: 320 ; 370
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14895
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copy: 1 id: 48183-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 14898
AUTH: SWEET R.J. ; TAULBEE C.D.
CLSS: U
CONN: AF 29 (601) 7110
CORP: BENDIX CORP., RESEARCH LABS. DIV. (SOUTHFIELD, MI)
DATE: 6705
DESC: THEORY
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1
EFFT: TREE
REPN: RLD R 4016
SUJO: 3-221-000
TITL: DEVELOPMENT OF A NON-DESTRUCTIVE RADIATION EFFECTS
PREDICTION

TECHNIQUE (U), 23 P., (U)
TREE: 649 ; 310
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14898
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copy: 1 id: 48186-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 14905
AUTH: POBLLENZ F.W. ; TAULBEE C.D.
CLSS: U
CONN: AF 29 (601) 7197
CORP: BENDIX CORP., RESEARCH LABS. DIV. (SOUTHFIELD, MI)
DATE: 6701
DESC: SIMULATION (PULSE REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts measuring
devices
sensors detectors L1 DOSIMETER
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1
EFFT: TREE
REPN: 3811
SUJO: 3-221-000 ; 3-224-000
TITL: EXPLORATORY DEVELOPMENT OF A RADIATION DAMAGE EXPOSURE

MEASUREMENT

TECHNIQUE (U), 35 P., (U)
TREE: 652
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14905
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copy: 1 id: 48193-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 14907
ADNO: 648642
AUTH: SPEERS R.R.
CLSS: U
CONN: DA 18 035 AMC 101 (A)
CORP: PHYLATRON CORP.
DATE: 6701
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1
DESC: SIMULATION (ACCELERATOR) ; THEORY EXPERIMENTAL
DESC: test instruments nuclear radiation neutron L5
DESC: Nuclear Weapon Effects electronic pieceparts measuring
devices
sensors detectors L1
EFFT: NEUTRON ; TREE
REPN: NDL TR 83 IV
SUJO: 3-221-000 ; 3-224-000 ; 4-342-000
TITL: SILICON DIODE FAST-NEUTRON DOSIMETER. PHASE IV.
DETERMINATION OF THE
ENERGY DEPENDENCE OF THE DAMAGE CONSTANT (U), 43 P., (U)
TREE: 652 ; 364

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copy: 1 id: 48195-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 14912
CLSS: U
CORP: NORTRONICS, APPLIED RESEARCH DEPT. (NEWBURY PARK, CA.)
DATE: 6706
DESC: SIMULATION (PULSE REACTOR) ; THEORY EXPERIMENTAL
DESC: Simulation Facilities Techniques nuclear radiation
reactors isotopic
sources L5
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1

EFFT: TREE
REPN: ARD 67 25R
SUJO: 3-221-000 ; 4-241-000
TITL: NEUTRON EVALUATION OF TRW POWER TRANSISTORS (U), CA. 150
P., (U)
TREE: 310
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14912
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copy: 1 id: 48200-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 14913
AUTH: MCINGVALE P.H.
CLSS: U
CORP: ARMY MISSILE COMMAND (REDSTONE ARSENAL, ALA.)
DATE: 6705
DESC: Nuclear Weapon Effects missile systems ABM electronics
L1
DESC: SIMULATION (REACTOR) ; THEORY EXPERIMENTAL
EFFT: TREE
REPN: RG TR 67 13
SUJO: 3-112-230
TITL: EXPERIMENTAL DETERMINATION OF PERMANENT NUCLEAR
RADIATION EFFECTS ON
ARMY MISSILE CONTROL SYSTEM ELECTRONICS (U), 35 P., (U)
TREE: 342
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14913
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copy: 1 id: 48201-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 14914
AUTH: STEELE E.J. ; CHANG W.W. ; RAYMOND J.R. ; COSS J.R.
CLSS: U
CONN: AF 30 (602) 3589
CORP: NORTRONICS (NEWBURY PARK, CA.)
DATE: 6708
DESC: SIMULATION (LINAC FLASH X-RAY) ; THEORY EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits L1
EFFT: TREE
REPN: NARD 67 17R ; RADC TR 67 204
SUJO: 3-222-000
TITL: STUDY OF TRANSIENT RADIATION EFFECTS ON MICROELECTRONICS
(U), 237
P., (U)

TREE: 320
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14914
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copy: 1 id: 48202-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 14915
AUTH: HONNOLD V.R. ; BERGGREN C.C. ; BUTCHER D.T.
CLSS: U
CONN: DAAB 07 67 C 0052
CORP: HUGHES AIRCRAFT CO. (FULLERTON, CA.)
DATE: 6708
DESC: SIMULATION (REACTOR CO 60) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1
EFFT: TREE
REPN: FR 67 10 388 ; ECOM 0052 3
SUJO: 3-221-000
TITL: RADIATION EFFECTS IN THIN FILM TRANSISTORS (U), 27 P.,
(U)

TREE: 310
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14915
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copy: 1 id: 48203-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 14916
ADNO: 814908
CLSS: U
CONN: AF (29 601) 64 PO 9
CORP: HARRY DIAMOND LABS. (WASH., D.C.)
DATE: 6705
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1
DESC: Nuclear Weapon Effects electronic subsystems analysis
circuit
network L1 TIMER
DESC: SIMULATION (PULSE REACTOR) ; EXPERIMENTAL
REPN: AFWL TR 67 34
SUJO: 3-219-000 ; 3-221-000
TITL: PRELIMINARY NUCLEAR RADIATION STUDY ON A HIGH-PRECISION,
REMOTEY SETTABLE, ELECTRONIC TIMER SYSTEM, PHASE II (U), 64 P.,
(U)

TREE: 310 ; 367
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14916
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copy: 1 id: 48204-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 14917
AUTH: ELIOT C.C. ; SELLERS W.H.
CLSS: U
CORP: RAYTHEON CO., MISSILE SYSTEMS DIV. (BEDFORD, MA.)
DATE: 6700
DESC: THEORY SUMMARY
DESC: Nuclear Weapon Effects missile systems tactical L5
EFFT: TREE
SUJO: 3-112-300
TITL: ANALYSIS OF NUCLEAR RADIATION EFFECTS ON MISSILE
TELEMETRY SYSTEMS
(U), 6 P., (U)
TREE: 392

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14917
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copy: 1 id: 48205-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 14919
ADNO: 650103
AUTH: RAYMOND J.P. ; JOHNSON R.E.
CLSS: U
CCDE: ZZ
CONN: DA 28 043 AMC 00423 (E)
CORP: NORTRONICS (NEWBURY PARK, CA.)
DATE: 6703
DESC: SIMULATION (FLASH X-RAY) ; THEORY EXPERIMENTAL CODE
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1
DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits L1
EFFT: TREE
REPN: ARD 67 2R ; ECOM 00423 7
SUJO: 3-221-000 ; 3-222-000
TITL: GENERALIZED MODEL FOR SEMICONDUCTOR RADIATION RESPONSE
PREDICTION
(U), 72 P., (U)
TREE: 250
.block

14919
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copy: 1 id: 48207-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 14920
ADNO: 648820
AUTH: BOWMAN W.C. ; CALDWELL R.S.
CLSS: U
CONN: AF 30 (602) 3585
CORP: BOEING CO. (SEATTLE, WASH.)
DATE: 6701
DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits L1
DESC: SIMULATION (LINAC FLASH X-RAY) ; EXPERIMENTAL
EFFT: TREE
REPN: RADC TR 66 718
SUJO: 3-222-000
TITL: DETAILED RADIATION EFFECTS STUDY ON FOUR
JUNCTION-ISOLATED
MICROCIRCUITS (U), 86 P., (U)
TREE: 320

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14920
.endblock
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copy: 1 id: 48208-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 14926
AUTH: BRADDOCK J.V. ; HOFER F.N. ; GUYE T.D.
CLSS: U
CCDE: NET 1R
CONN: DA 49 186 AMC 365 (X)
CORP: BRADDOCK, DUNN AND MCDONALD, INC. (EL PASO, TX.)
DATE: 6702
DESC: Nuclear Weapon Effects electronic subsystems analysis
circuit

network L1
DESC: THEORY EXPERIMENTAL
EFFT: TREE
EMPF: 335
REPN: HDL 365 1
SUJO: 3-219-000
TITL: NET-1R, THE RADIATION EFFECTS VERSION OF THE NET-1
CIRCUIT ANALYSIS
PROGRAM (U), 40 P., (U)
TREE: 330

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14926
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copy: 1 id: 48213-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 14928
AUTH: OVERMYER R.F.
CLSS: U
CONN: DA 28 043 AMC 02446 (E)
CORP: GENERAL ATOMIC DIV. (SAN DIEGO, CA.)
DATE: 6702
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors
vacuum tubes dielectrics relays switches L1 DIELECTRICS
DESC: SIMULATION (FLASH X-RAY E BEAM) ; EXPERIMENTAL
EFFT: TREE
REPN: GA 7580 ; ECOM 02446 1
SUJO: 3-229-000
TITL: RADIATION EFFECTS IN DIELECTRIC MATERIALS (U), 21 P.,
(U)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 14929
AUTH: NABER J.A. ; HORIYE H. ; BRYANT J.B. ; WIKNER E.G.
CLSS: U
CONN: NAS 7 289
CORP: GENERAL ATOMIC (SAN DIEGO, CA.)
DATE: 6701
DESC: Nuclear Weapon Effects electronic pieceparts materials
basic
mechanisms L1
DESC: SIMULATION (LINAC) ; EXPERIMENTAL
EFFT: TREE
REPN: GACD 6249
SUJO: 3-220-200
TITL: RADIATION EFFECTS ON SILICON (U), 9 P., (U)
TREE: 200

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14935
AUTH: FRANK M.
CLSS: U
CONN: AF 29 (601) 7110
CORP: BENDIX CORP. (SOUTHFIELD, MI)
DATE: 6701
DESC: SIMULATION (PULSE REACTOR) ; THEORY EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits L1
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1
EFFT: TREE
REPN: RLD R 3841
SUJO: 3-221-000 ; 3-222-000
TITL: DEVELOPMENT OF A NON-DESTRUCTIVE RADIATION EFFECTS
PREDICTION
TECHNIQUE (U), 38 P., (U)
TREE: 649

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14935

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copy: 1 id: 48222-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 14937
AUTH: LOKERSON D.T.
CLSS: U
CORP: HARRY DIAMOND LABS. (WASH., D.C.)
DATE: 6701
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1
DESC: SIMULATION (PULSE REACTOR) ; THEORY EXPERIMENTAL
EFFT: TREE
REPN: HDL TR 1339
SUJO: 3-221-000
TITL: EFFECTS OF PULSE NUCLEAR RADIATION ON STEP RECOVERY
DIODES (U), 40
P., (U)
TREE: 310

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14937

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copy: 1 id: 48224-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 14938
AUTH: KALLMANN H.P.
CLSS: U
CONN: DA 28 043 AMC 00129 (E)
CORP: NEW YORK UNIVERSITY, RADIATION AND SOLID STATE LAB. (NEW
YORK, NY)
DATE: 6701
DESC: Nuclear Weapon Effects electronic pieceparts materials
basic
mechanisms L1 ANTHRACENE POLYSTYRENE
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors
vacuum tubes dielectrics relays switches L1 DIELECTRICS
DESC: SIMULATION (X-RAY TUBE UV LAMP) ; THEORY EXPERIMENTAL
EFFT: TREE
REPN: ECOM 00129 F
SUJO: 3-220-200 ; 3-229-000
TITL: MECHANISMS OF ENERGY TRANSFER IN DIELECTRICS (U), 100
P., (U)
TREE: 385 ; 200
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14938
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copy: 1 id: 48225-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 14969
AUTH: JESSEN P.L. ; WOOD D.E.
CLSS: SRD 1
CONN: DA 01 021 AMC 90029 (Y)
CORP: KAMAN NUCLEAR (COLORADO SPRINGS, CO.)
DATE: 6806
DESC: Nuclear Weapon Effects Communications Systems C4
hardware optical
devices sensors IR detectors L1
DESC: THEORY
EFFT: X-RAY ; TREE
REPN: KN 703 13 (R) ; KN 13589
SOCE: HORN
SUJO: 3-133-000
TEMP: 59172
TITL: FURTHER INVESTIGATIONS OF OPTICAL SYSTEM RADIATION
VULNERABILITY
(U), 30 P., (SRD)
TREE: 361
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14969
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copy: 1 id: 48255-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
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INUM: 15228
ADNO: 830348L
AUTH: MAIER R.J.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6801
DESC: SIMULATION (CO60 X-RAY) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes silicon-controlled rectifiers L1 TRANSISTORS
DESC: Nuclear Weapon Effects electrical mechanical cables
wires L5
EFFT: TREE
REPN: NRDL TR 68 9
SUJO: 3-221-000 ; 3-231-000
TITL: SURFACE EFFECTS ON TRANSISTORS-RADIATION SUSCEPTIBILITY
OF A TRANSISTOR, WITH MOS-GUARDED JUNCTIONS (U), 140 P., (U)
TREE: 325

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15228
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copy: 1 id: 48464-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 15231
ADNO: 855045
AUTH: EAST P.C.
CLSS: U
CORP: DEPARTMENT OF NATIONAL DEFENSE, DEFENSE RESEARCH BOARD
(CANADA)
DATE: 6810
DESC: test instruments nuclear radiation gamma L1
DESC: EXPERIMENTAL
LA: CANADA
REPN: D 16 80 32 ; DCBRE 561
SUJO: 4-341-000
TITL: REMOTE-READING RADIATION MONITOR WITH DIGITAL READOUT
(U), 15 P.,
(U)

TREE: 651
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15231
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copy: 1 id: 48467-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15525
AUTH: KORVER J.A.
CLSS: U
CCDE: FLIP
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6810
DESC: Environmental Impact Assessments EIS Supporting Data L5
DESC: Nuclear Weapon Environment fallout transport L1
REPN: UCRL 50506 ; TID 4500 ; UC 35
TSHO: UG-CONTAINED
SUJO: 2-224-200 ; 4-870-200
TITL: FLIP CODE-FLUID INJECTION PROGRAM (U), 31 P., (U)

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15525

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copy: 1 id: 48707-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 15533
CLSS: U
CONN: OCD PS 66 5
CORP: WORCESTER POLYTECHNIC INSTITUTE (WORCESTER, MA.)
DATE: 6707
DESC: Radiation Transport gamma L5
DESC: Civil Defense shelters L1
DESC: Nuclear Weapon Effects on animals ionizing radiation L5
DESC: HANDBOOK
EFFT: GAMMA ; BETA ; FALLOUT
REPN: AEG 1 ; TR 20 (VOL. 1)
SUJO: 3-312-000 ; 3-474-000 ; 9-620-000
TITL: SHELTER DESIGN AND ANALYSIS; VOL. 1, FALLOUT RADIATION
SHIELDING
(U), CA. 250 P., (U)

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15533

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copy: 1 id: 48713-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15541
ADNO: 829725L
AUTH: VAN LINT V.A.J. ; WYATT M.E.
CLSS: U
CONN: DAAG 07 67 C 0755
CORP: GULF GENERAL ATOMIC, INC.
DATE: 6801

DESC: SIMULATION (LINAC) ; EXPERIMENTAL
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors vacuum tubes dielectrics relays switches L1 OGIVE FUSE
 ELEMENTS
 DESC: Nuclear Weapon Effects ordnance electroexplosive devices
 fuses (L1)
 DESC: Nuclear Weapon Effects materials ceramics optical L1
 CLEVITE CERAMIC
 B GULTON GRADE 1503 PZT GULTON PZT GRADE 1500 BATI 03
 CRYSTAL
 EFFT: BETA
 REPN: R 1884A ; GA 7777 PT. 1
 SUJO: 3-162-000 ; 3-229-000 ; 3-241-000
 TITL: TRANSIENT RADIATION EFFECTS IN FERROELECTRIC MATERIALS;
 PT. 1,
 CHARGE-RELEASE MEASUREMENTS (U), 24 P., (U)
 TREE: 343
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 copy: 1 id: 48721-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 15545
 ADNO: 836881
 AUTH: OLSON P.R.
 CLSS: U
 CORP: NAVAL POSTGRADUATE SCHOOL (MONTEREY, CA.)
 DATE: 6806
 DESC: SIMULATION (LINAC) ; EXPERIMENTAL
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes silicon-controlled rectifiers L1 MOSFET
 EFFT: BETA
 SUJO: 3-221-000
 TITL: RADIATION EFFECTS ON METAL-OXIDE-SILICON FIELD-EFFECT
 TRANSISTORS
 (U), 41 P., (U)
 TREE: 310
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 15545
 .endblock
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 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 15566
 AUTH: KURITZKY C.S. ; SHONKA F.R. ; WYCKOFF H.O. ; PFEIFFER

W.F.
CLSS: U
CORP: ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE (BETHESDA,
MD.)
DATE: 6811
DESC: SIMULATION (REACTOR) ; EXPERIMENTAL
DESC: test instruments nuclear radiation dosimeters radiacs L1
REPN: AFRRI TN 68 9
SUJO: 4-346-000
TITL: MINIATURE TISSUE-EQUIVALENT IONIZATION CHAMBER FOR PULSE
DOSIMETRY

(U), 19 P., (U)
TREE: 655

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15566
.endblock
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copy: 1 id: 48744-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 15620
ADNO: 815272
AUTH: FRANKOVSKY F.A.
CLSS: U
CONN: DA 28 043 AMC 02374 (E)
CORP: IBM CORP., FEDERAL SYSTEMS DIV. (OWEGO, N.Y.)
DATE: 6703
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors
vacuum tubes dielectrics relays switches L1 MICA MYLAR
POLYSTYRENE

CAPACITORS
DESC: SIMULATION (FLASH X-RAY) ; EXPERIMENTAL
EFFT: GAMMA
REPN: IBM 67 521 1
SUJO: 3-229-000
TITL: RADIATION EFFECTS ON ELECTRONIC PARTS AND MATERIALS (U),
38 P., (U)
TREE: 370

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15620
.endblock
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copy: 1 id: 48787-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 15621
ADNO: 674632
AUTH: SCOTT L.
CLSS: U

CONN: F 19628 67 C 0262
 CORP: TRW SYSTEMS GROUP (REDONDO BEACH, CA.)
 DATE: 6806
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers L1 GATE FET BVM MOS
 DESC: SIMULATION (LASER, LINAC, FLASH X-RAY) ; EXPERIMENTAL
 DESC: Nuclear Weapon Effects electronic pieceparts materials
 basic
 mechanisms L5 OXIDATION TECHNIQUE ON SI
 EFFT: TREE
 REPN: TRW 06415 6003 R000 ; TRW SCI. REPT. 4 ; AFCRL 68 0372
 SUJO: 3-220-200 ; 3-221-000
 TITL: INVESTIGATION OF RADIATION HARDENED CIRCUIT ELEMENTS
 (U), 30 P., (U)
 TREE: 310
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 15621
 .endblock
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 copy: 1 id: 48788-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 15622
 ADNO: 664922
 AUTH: MCWILLIAMS D.A. ; DAVIS L.C.
 CLSS: U
 CONN: F 19628 67 C 0262
 CORP: TRW SYSTEMS GROUP (REDONDO BEACH, CA.)
 DATE: 6711
 DESC: THEORY
 DESC: Nuclear Weapon Effects electronic pieceparts integrated
 circuits L1
 MOS 1C
 REPN: TRW 06415 6002 R000 ; TRW SCI. REPT. 2 ; AFCRL 67 0684
 SUJO: 3-222-000
 TITL: INVESTIGATION OF RADIATION HARDENED CIRCUIT ELEMENTS
 (U), 40 P., (U)
 TREE: 325
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 15622
 .endblock
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 15624
 ADNO: 810447L
 AUTH: MCELROY W.N. ; BERG S.
 CLSS: U

CCDE: SAND II
 CONN: AF 29 (601) 7196
 CORP: ATOMICS INTERNATIONAL (CANOGA PARK, CA.)
 DATE: 6702
 DESC: test instruments nuclear radiation neutron L1
 DESC: THEORY
 DESC: Cross Sections neutron L1
 SUJO: 4-342-000 ; 9-820-000
 TITL: ADVANCED FOIL ACTIVATION METHOD OF NEUTRON DOSIMETRY
 (U), 15 P., (U)
 TREE: 652
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 15624
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 15625
 AUTH: GREER C.L. ; WALKER J.V.
 CLSS: U
 CCDE: SPECTRA
 CORP: SANDIA CORP. (ALBUQUERQUE, N.M.)
 DATE: 6703
 DESC: THEORY
 DESC: test instruments nuclear radiation neutron L1
 REPN: SC R 67 1066
 SUJO: 4-342-000
 TITL: PROCEDURE FOR THE COMPUTATION OF NEUTRON FLUX FROM FOIL
 ACTIVATION
 DATA--SPECTRA CODE (U), 9 P., (U)
 TREE: 652
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 15625
 .endblock
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 copy: 1 id: 48792-1001 library: DOCUMENT price: \$.00
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 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 15629
 ADNO: 820167
 AUTH: OVERMYER R.F.
 CLSS: U
 CONN: DA 28 043 AMC 02446 (E)
 CORP: GENERAL ATOMIC (SAN DIEGO, CA.)
 DATE: 6709
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors
 vacuum tubes dielectrics relays switches L1 SI O
 CAPACITOR

DESC: SIMULATION (LINAC) ; EXPERIMENTAL
 DESC: Nuclear Weapon Effects electronic pieceparts materials
 basic mechanisms L1 SAPPHIRE FUSED QUARTS PYREX
 EFFT: TREE
 REPN: GA 8102 ; ECOM 02446 3B
 SUJO: 3-220-200 ; 3-229-000
 TITL: RADIATION EFFECTS IN DIELECTRIC MATERIALS (U), 27 P.,
 (U)
 TREE: 385
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 .endblock
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 15631
 ADNO: 842808
 AUTH: RUWE V.W.
 CLSS: U
 CORP: ARMY MISSILE COMMAND (REDSTONE ARSENAL, AL.)
 DATE: 6808
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes silicon-controlled rectifiers L1 TRANSISTOR SCR
 DESC: SIMULATION (PULSED REACTOR)
 REPN: RG TR 68 11
 SUJO: 3-221-000
 TITL: EFFECT OF NEUTRON RADIATION ON UNIJUNCTION TRANSISTORS
 AND SILICON CONTROL RECTIFIERS (U), 95 P., (U)
 TREE: 310
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 15631
 .endblock
 .block
 copy: 1 id: 48798-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 15632
 AUTH: UNWIN A.M. ; ROSENBERG C.
 CLSS: U
 CCDE: ZZ (TRANSISTOR RADIATION STORAGE TIME)
 CONN: AF 29 (601) 7083
 CORP: BOEING CO. (SEATTLE, WA.)
 DATE: 6807
 DESC: SIMULATION ; EXPERIMENTAL
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes

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silicon-controlled rectifiers L1 TRANSISTORS
EFFT:      BETA
SUJO:      3-221-000
TITL:      IMPROVED RADIATION STORAGE TIME PREDICTIONS BY A NEW
APPROACH TO
            INVERTED TRANSISTOR CHARACTERIZATION (U), 29 P., (U)
TREE:      310 ; 250
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  created: 12/27/1991 type: REPORT permanent
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INUM:      15634
ADNO:      676821
AUTH:      UTECHT J.W.
CLSS:      U
CORP:      HARRY DIAMOND LABS. (WASH., D.C.)
DATE:      6807
DESC:      Nuclear Weapon Effects electronic pieceparts transistors
diodes
            silicon-controlled rectifiers L1
DESC:      SIMULATION (PULSED REACTOR, FLASH X-RAY) ; EXPERIMENTAL
DESC:      Nuclear Weapon Effects electronic pieceparts integrated
circuits L1
            VCO DRIVING UNIT MONITORING SYSTEM OSCILLATOR MARKER
PULSE CIRCUIT
            FLIP-FLOP
DESC:      Nuclear Weapon Effects electronic subsystems recorders
amplifiers L1
EFFT:      TREE
REPN:      HDL TR 1353
SUJO:      3-213-000 ; 3-221-000 ; 3-222-000
TITL:      RADIATION-HARDENED VOLTAGE-CONTROLLED OSCILLATORS AND
TAPE HEAD
            DRIVERS (U), 30 P., (U)
TREE:      310 ; 320 ; 368
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  copy: 1   id: 48800-1001       library: DOCUMENT   price: $.00
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  created: 12/27/1991 type: REPORT permanent
.endblock

INUM:      15775
ADNO:      824932
AUTH:      KANGILASKI M.
CLSS:      U
CONN:      NASW 1568

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CORP: BATTELLE MEMORIAL INSTITUTE, RADIATION EFFECTS
INFORMATION CENTER
(COLUMBUS, OH.)

DATE: 6706

DESC: Nuclear Weapon Effects materials metals alloys L1 AL MG
TI NI ZR NB

MO W + VALLOYS TA BE + STEEL MECHANICAL PROPERTIES

DESC: HANDBOOK

EFFT: NEUTRON

REPN: REIC R 45

SUJO: 3-243-000

TITL: EFFECTS OF NEUTRON RADIATION ON STRUCTURAL MATERIALS
(U), 245 P.,

(U)

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15775

.endblock

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copy: 1 id: 48918-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 15920

ADNO: 668674

AUTH: AVRAMI L. ; DALRYMPLE E. ; SCHWARTZ F.

CLSS: U

CCDE: WUNDY ; K.O.

CORP: PICATINNY ARSENAL (DOVER, NJ)

DATE: 6804

DESC: Simulation Facilities Techniques nuclear radiation
reactors isotopic

sources L1 CAPSULE TO CONTAIN DETONATION EFFECTS

DESC: EXPERIMENTAL

REPN: PA TR 3673

SUJO: 4-241-000

TITL: LARGE CONTAINMENT CAPSULE FOR NUCLEAR REACTOR
IRRADIATION OF

EXPLOSIVE MATERIALS (U), 87 P., (U)

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15920

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copy: 1 id: 49057-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16023

ADNO: 379187

AUTH: GARRISON U.E.

CLSS: C

CONN: AF 04 (694) 271

CORP: THIOKOL CHEMICAL CORP., WASATCH DIV. (BRIGHAM CITY, UT.)

DATE: 6701
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Effects ordnance propellants solid L1
 TP-H1011 FLUX
 LEVELS AND RADIATION TYPE NOT GIVEN
 REPN: TA1 51 2 7 ; TWR 2303
 SUJO: 3-164-000
 SYST: 133 B ; MINUTEMAN
 TEMP: A4000
 TITL: WEAPON SYSTEM 133B, TESTING FOR IRRADIATION EFFECTS (U),
 32 P., (C)
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 16023
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 copy: 1 id: 49130-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 16025
 AUTH: KNOX J.B.
 CLSS: U
 CORP: LAWRENCE LIVERMORE LAB. (LIVERMORE, CA.)
 DATE: 6812
 DESC: Nuclear Warfare Postattack Recovery resources water L5
 DESC: Nuclear Weapon Environment fallout transport L1
 DESC: Nuclear Weapon Environment Ground Shock craters
 excavations L5
 DESC: Nuclear Weapon Environment radiation decay isotopic half
 lives L5
 DESC: THEORY
 EFFT: RADIONUCLIDES
 REPN: UCRL 50531
 SHOT: SEDAN
 TSHO: UG-VENTED ; UG-CONTAINED
 SUJO: 2-223-410 ; 2-224-200 ; 2-625-000 ; 3-448-200
 TITL: WATER QUALITY IN FLOODED NUCLEAR CRATERS (U), 23 P., (U)
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 copy: 1 id: 49132-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 16298
 AUTH: JACKSON W.B. ; CARPENTER M.L.
 CLSS: U
 CORP: BOWLING GREEN STATE UNIVERSITY, DEPT. OF BIOLOGY
 (BOWLING GREEN,
 OH.)
 DATE: 6700

DESC: Nuclear Weapon Effects on plants ionizing radiation
chronic uptake

L1

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

internal L1 RATS

REPN: PACE 20

SUJO: 3-312-220 ; 3-332-220

TITL: RADIOISOTOPE CYCLING IN TERRESTRIAL COMMUNITIES AT
ENIWETOK ATOLL

(U), 7 P., (U)

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16298

.endblock

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copy: 1 id: 49338-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16305

ADNO: 813897L

AUTH: PESTANER J.F. ; LOVE D.L.

CLSS: U

CONN: AT (49 7) 2886

CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)

DATE: 6705

DESC: SIMULATION (PULSED URANIUM FOIL) ; EXPERIMENTAL SUMMARY

DESC: Simulation Facilities Techniques nuclear radiation
fallout

simulation L1 UNDERWATER RADIOACTIVE ISOTOPE INJECTION

REPN: NRDL TR 67 45

TSHO: UW

SUJO: 4-242-000

TITL: PULSED REACTOR SIMULATION OF UNDERWATER NUCLEAR
EXPLOSIONS (U), 23

P., (U)

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16305

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copy: 1 id: 49345-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16331

AUTH: MORK H.M.

CLSS: U

CONN: AT (04 1) GEN 12

CORP: UNIVERSITY OF CALIFORNIA, LABORATORY OF NUCLEAR MEDICINE
AND

RADIATION BIOLOGY (LOS ANGELES, CA.)

DATE: 6709
 DESC: Nuclear Weapon Environment Fallout Radioproperties L1
 DESC: SOIL ANALYSIS ENIWETOK ATOLL ; EXPERIMENTAL
 REPN: UCLA 12 654
 SUJO: 2-223-000
 TITL: RADIOLOGICAL SOIL ANALYSIS, PACIFIC, NOVEMBER 1952 (U),
 23 P., (U)
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 16331
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 copy: 1 id: 49367-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 16339
 AUTH: JACKSON W.B.
 CLSS: U
 CORP: BOWLING GREEN STATE UNIVERSITY, DEPARTMENT OF BIOLOGY
 (BOWLING GREEN, OH.)
 DATE: 6700
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Effects on animals ionizing radiation L1
 REPN: PACE 14
 SUJO: 3-312-000
 TITL: SURVIVAL OF RATS AT ENIWETOK ATOLL (U), 11 P., (U)
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 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 16340
 AUTH: LISCO H. ; CONARD R.A.
 CLSS: U
 DATE: 6700
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 chronic
 external L1
 DESC: EXPERIMENTAL SUMMARY
 REPN: PACE 65
 SUJO: 3-312-210
 TITL: CHROMOSOME STUDIES ON MARSHALL ISLANDERS EXPOSED TO
 FALLOUT RADIATION (U), 3 P., (U)
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 16340
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copy: 1 id: 49383-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 16379
AUTH: HARRITY J.W. ; LEADON R.E. ; VAN LINT V.A.J.
CLSS: U
CONN: DA 28 043 AMC 02446 (E)
CORP: GULF GENERAL ATOMIC, INC. (SAN DIEGO, CA.)
DATE: 6809
DESC: Nuclear Weapon Effects electronic pieceparts materials
basic
mechanisms L1 SAPPHIRE MYLAR
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors
vacuum tubes dielectrics relays switches L1 POLYETHYLENE
CAPACITOR
DESC: SIMULATION (PROTON LINAC) ; THEORY EXPERIMENTAL
EFFT: TREE
REPN: GA 8663 ; ECOM 02446 6
SUJO: 3-220-200 ; 3-229-000
TITL: RADIATION EFFECTS IN DIELECTRIC MATERIALS, QUARTERLY
REPORT (U), 47
P., (U)
TREE: 385

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16379
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copy: 1 id: 49413-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 16380
ADNO: 678203
AUTH: SCOTT L.
CLSS: U
CONN: F 19628 67 C 0262
CORP: TRW SYSTEMS GROUP (REDONDO BEACH, CA.)
DATE: 6807
DESC: Directed Energy Weapons Lasers Applications Effects
testing L1
DESC: SIMULATION (LINAC FLASH X-RAY LASER BEAM) ; EXPERIMENTAL
DESC: Directed Energy Weapons Lasers Effects Electronics L1
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1 SI O2 INSULATED GATE
FET-S
EFFT: TREE
REPN: AFCRL 68 0465 ; TRW 06415 6003 R000
SUJO: 3-221-000 ; 3-613-110 ; 3-616-800
TITL: INVESTIGATION OF RADIATION HARDENED CIRCUIT ELEMENTS

(U), 40 P., (U)

TREE: 310

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16380

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copy: 1 id: 49414-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16382

ADNO: 662702

AUTH: STRAHAN V.H. ; KRUEGER A.F.

CLSS: U

CONN: DA 28 043 AMC 0243 (E)

CORP: AUTONETICS (ANAHEIM, CA.)

DATE: 6711

DESC: SIMULATION (FLASH X-RAY LINAC) ; EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits L1

EFFT: TREE

REPN: C7 420.2/501 ; ECOM 02431 3

SUJO: 3-222-000

TITL: RADIATION EFFECTS ON THIN-FILM INTEGRATED CIRCUIT

ELEMENTS (U), 23

P., (U)

TREE: 320

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16382

.endblock

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copy: 1 id: 49416-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16474

ADNO: 841990

AUTH: HARRITY J.W.

CLSS: U

CONN: DA28 043 AMC 02446 (E)

CORP: GULF GENERAL ATOMIC, INC. (SAN DIEGO, CA.)

DATE: 6810

DESC: Nuclear Weapon Effects electronic pieceparts materials
basic

mechanisms L1 SAPPHIRE POLYETHYLENE MYLAR TEFLON AL2O3

(LUCALOX)

DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors

vacuum tubes dielectrics relays switches L1 THIN FILM

CAPACITORS NO

VULNERABILITY

DESC: SIMULATION ; EXPERIMENTAL

EFFT: TREE
 REPN: GA 8819 ; ECOM 02446 7
 SUJO: 3-220-200 ; 3-229-000
 TITL: RADIATION EFFECTS IN DIELECTRIC MATERIALS (U), 29 P.,
 (U)
 TREE: 385
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 16474
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 16511
 AUTH: IZRAEL Y.A. ; STUKIN E.D.
 CLSS: U
 CORP: ATOMIZDAT (MOSCOW, USSR)
 DATE: 6700
 DESC: Nuclear Weapon Environment Fallout gamma intensities
 spectra L1
 DESC: THEORY EXPERIMENTAL
 DESC: Nuclear Weapon Environment radiation decay gamma decay
 L1
 DESC: Nuclear Weapon Environment fallout Deposition
 topographic factors
 vegetation surface roughness L1
 LA: USSR
 SUJO: 2-223-200 ; 2-223-420 ; 2-225-600
 TITL: GAMMA EMISSION OF RADIOACTIVE FALLOUT (U), 155 P., (U)
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 16511
 .endblock
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 copy: 1 id: 49446-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 16540
 ADNO: 509204L
 AUTH: KEHLER P.
 CLSS: SRD
 CCDE: PUFF IV ; PUFF-66
 CONN: AF 04 (694) 786
 CORP: BELL AEROSYSTEMS (BUFFALO, N.Y.)
 DATE: 6712
 DESC: RF EMP shielding protection L1
 DESC: Nuclear Weapon Effects missile systems strategic L1
 DESC: THEORY TABULAR
 EFFT: X-RAY ; EMP ; TREE ; THERMAL
 EMPF: 362
 SUJO: 3-112-100 ; 9-810-000

SYST: MINUTEMAN MISSILE AND COMPONENTS ; MINUTEMAN 3
TEMP: A4423
TITL: NUCLEAR RADIATION HARDNESS OF THE POST BOOST PROPULSION
SUBSYSTEM OF
THE MINUTEMAN III (U), CA. 400 P., (SRD)

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16540

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.block

copy: 1 id: 49473-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16611

ADNO: 685883

AUTH: CURTIS O.L. ; BASS R.F. ; GERMANO C.A. ; SROUR J.R.

CLSS: U

CCDE: ZZ (HALL-SHOCKLEY-READ PARAMETERS)

CONN: DA 49 186 AMC 235 (X)

CORP: NORTHROP CORPORATE LABS. (HAWTHORNE, CA.)

DATE: 6812

DESC: Nuclear Weapon Effects electronic pieceparts materials
basic

mechanisms L1 SI GE

DESC: SIMULATION (CO 60, FLASH NEUTRON GENERATOR, PULSED
REACTOR, LINAC)

TEMPERATURE 72 -253 DEGREES C ; THEORY EXPERIMENTAL

EFFT: TREE

REPN: NCL 68 76R ; HDL 235 4

SUJO: 3-220-200

TITL: RADIATION EFFECTS IN SILICON AND GERMANIUM (U), 158 P.,
(U)

TREE: 200

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16611

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copy: 1 id: 49514-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 16618

ADNO: 851021L

AUTH: KEY J.A.

CLSS: U

CORP: ARMY ELECTRONICS COMMAND (FT. MONMOUTH, N.J.)

DATE: 6812

DESC: SIMULATION (FLASH X-RAY) ; EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic pieceparts materials
basic

mechanisms L1 CU PADS ON FIBERGLASS SUBSTRATES

EFFT: X-RAY

REPN: ECOM 3068
SUJO: 3-220-200
TITL: EFFECTS OF TRANSIENT RADIATION ON MICRO-ELECTRONIC
CONDUCTOR-SUBSTRATE SYSTEMS (U), 21 P., (U)
TREE: 200 ; 320
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16618
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copy: 1 id: 49520-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 16632
ADNO: 845610
AUTH: CASTILLO J.P.
CLSS: U
CORP: AIR FORCE WEAPONS LAB. (KIRTLAND AFB, N.M.)
DATE: 6812
DESC: Nuclear Weapon Effects electronic subsystems analysis
circuit

network L1 REMOTE SETTABLE TIMER CRYSTAL OSCILLATOR
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes

silicon-controlled rectifiers L1 DIODES TRANSISTORS
DESC: SIMULATION (PULSED REACTOR) ; EXPERIMENTAL
EFFT: TREE
REPN: AFWL TR 68 117
SUJO: 3-219-000 ; 3-221-000
TITL: MINIATURIZATION OF AN ACCURATE TWO-CHANNEL REMOTE
SETTABLE TIMER AND
RESULTS OF RADIATION EXPERIMENTS ON A
TEMPERATURE-COMPENSATED
CRYSTAL OSCILLATOR (U), 34 P., (U)
TREE: 367

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16632
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copy: 1 id: 49541-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 16640
AUTH: GOEBEL D. JR.
CLSS: U
CCDE: CIRCUS
CORP: UNIVERSITY OF NEW MEXICO (ALBUQUERQUE, N.M.)
DATE: 6800
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1 TRANSISTORS

DESC: Nuclear Weapon Effects electronic subsystems analysis
 circuit network L1 FLIP-FLOP
 DESC: Nuclear Weapon Effects electronic subsystems recorders
 amplifiers L1
 COMMON COLLECTOR AMPLIFIER COMMON BASE AMPLIFIER COMMON
 EMITTER AMPLIFIER CB TO CC AMPLIFIER VIDEO AMPLIFIER DC COUPLED
 AMPLIFIER
 DESC: SIMULATION (FLASH X-RAY) ; THEORY EXPERIMENTAL
 REPN: N69 20712
 SUJO: 3-213-000 ; 3-219-000 ; 3-221-000
 TITL: COMPENSATING TECHNIQUES FOR REDUCING THE RESPONSE OF
 TRANSISTOR CIRCUITS IN A TRANSIENT RADIATION ENVIRONMENT (U), 215
 P., (U)
 TREE: 310 ; 420
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 17007
 AUTH: FRANKOVSKY F.A. ; FLAGG P.B. ; SULLIVAN D.C.
 CLSS: U
 CONN: DA 28 043 AMC 02374 (E)
 CORP: IBM CORP. (OWEGO, N.Y.)
 DATE: 6709
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors vacuum tubes dielectrics relays switches L1 CAPACITORS
 DESC: SIMULATION (FLASH X-RAY) ; EXPERIMENTAL
 EFFT: X-RAY
 REPN: IBM 67 521 8 ; ECOM 02374 F
 SUJO: 3-229-000
 TITL: RADIATION EFFECTS ON ELECTRONIC PARTS AND MATERIALS,
 FINAL REPORT,
 15 JUNE 1966 TO 14 JUNE 1967 (U), 68 P., (U)
 TREE: 370
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 17007
 .endblock
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 copy: 1 id: 49836-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 17527
 AUTH: KUBOSE D.A. ; LAI M. ; GOYA H.A. ; CORDOVA H.I.

CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6804
DESC: Environmental Impact Assessments EIS Supporting Data L1
REPN: NRDL TR 68 74 ; NRDL C 2084 PT. 7A
SUJO: 4-870-200
TITL: RADIOACTIVITY RELEASE FROM RADIONUCLIDE POWER SOURCES.
VII A.
DISSOLUTION STUDIES OF PLUTONIUM DIOXIDE IN THE OCEAN--5
MONTHS
EXPOSURE (U), 32 P., (U)

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17527

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copy: 1 id: 50330-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 17623
ADNO: 812216L
AUTH: KUBOSE D.A. ; GOYA H.A. ; LAI M.G. ; CORDOVA H.I.
CLSS: U
CONN: AT (49 5) 2094
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6703
DESC: Nuclear Energy Power Nuclear Materials site radiation
safety L1
DESC: EXPERIMENTAL SUMMARY
REPN: NRDL TR 67 32
SUJO: 3-540-000
TITL: RADIOACTIVITY RELEASE FROM RADIONUCLIDE POWER SOURCES.
V, RELEASE
FROM PLUTONIUM DIOXIDE TO SEAWATER AT HIGH TEMPERATURES
AND
PRESSURES (U), 21 P., (U)

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17623

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 17646
AUTH: MIXTER G.J.JR.
CLSS: U
CORP: NAVAL APPLIED SCIENCE LAB. (BROOKLYN, N.Y.)
DATE: 6702
DESC: Nuclear Weapon Effects on animals thermal burns heating
L1
DESC: Target Analysis civilians population at risk casualties

L5

DESC: SHIELDED AND UNSHIELDED ; EXPERIMENTAL
EFFT: THERMAL
REPN: NASL 9400 12 PR 16
SHOT: NAGASAKI
TSHO: LOW-ALT
SUJO: 3-313-100 ; 3-433-000
TITL: THERMAL RADIATION CASUALTIES AT NAGASAKI--A
RETROSPECTIVE ANALYSIS
(U), 19 P., (U)

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17646

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created: 12/27/1991 type: REPORT permanent

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INUM: 17765

ABS: A ship that launches a nuclear ASW weapon or
participates in joint
surface/air employment of a nuclear ASW weapon must be
at a certain
standoff range from the resulting underwater burst to
avoid
significant damage from underwater shock and excessive
personnel
doses from exposures to ionizing radiation. The shock
hazard is
determined by weapon yield, burst depth, ocean depth,
and ship
distance from surface zero (SZ); the radiation hazard,
by the above
four factors and also by windspeed, the ship's position
relative to
SZ and the wind direction, and the ship's speed and
heading after it
launches the weapon. Shock standoff ranges were scaled
from ship

damage curves provided by the David Taylor model basin.
ABS: Radiation standoff ranges were computed with an NRDL
mathematical
model recently formulated from base-surge data taken at
five nuclear
underwater bursts (Crossroads Baker, Wigwam, Wahoo,
umbrella, and
Sword Fish). A recommended revision of the instruction
on naval ship
standoff ranges (OPNAVINST 003400.6) is presented in an
appendix.
Technical justification for the revised instruction is
given in the
text.

AUTH: SCHULTZE D.P. ; CILLAY C.J.
 CLSS: SRD
 CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
 DATE: 6705
 DESC: Target Analysis system studies surface ships L1
 DESC: Nuclear Weapon Phenomenology base surge L1
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 chronic
 external L1
 DESC: TABULAR
 DESC: Nuclear Weapon Effects ship systems surface ships L1 ASW
 EFFT: FALLOUT ; WATER SHOCK
 REPN: NRDL TR 643
 SUJO: 2-224-120 ; 3-122-000 ; 3-312-210 ; 3-431-300
 TEMP: A5392
 TITL: PROPOSED NAVAL SHIP STANDOFF RANGES FROM NUCLEAR
 UNDERWATER BURSTS
 (U), 98 P., (SRD)
 TNFF: 5890
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 17765
 .endblock
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 copy: 1 id: 50553-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 17769
 AUTH: CAPUTI R.W.
 CLSS: SRD
 CCDE: ZZ (RADIOACTIVE PRODUCTS IN UW BUBBLE) NRDL
 CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
 DATE: 6708
 DESC: THEORY TABULAR CODE
 DESC: Nuclear Weapon Environment Water Shock bubbles L1
 DESC: Nuclear Weapon Environment Fallout isotope
 concentrations L1
 DESC: nuclear test detection debris fallout L1
 REPN: NRDL TR 67 126
 TSHO: UW
 SUJO: 2-223-100 ; 2-636-000 ; 4-919-000
 TEMP: A5396
 TITL: PERMANENT GASES FROM UNDERWATER NUCLEAR EXPLOSIONS--A
 MODEL FOR
 THEIR HISTORY (U), 62 P., (SRD)
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 17769
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 copy: 1 id: 50557-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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INUM: 17860
AUTH: JOSEPH W.F.
CLSS: C
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6711
DESC: test instruments nuclear radiation gamma L1
DESC: nuclear test detection debris fallout L1
REPN: NRDL TR 67 151
SUJO: 4-341-000 ; 4-919-000
TEMP: A5313
TITL: AIRBORNE RADIOACTIVE POOL DETECTION SYSTEM (U), 31 P.,
(C)
TREE: 651
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17860
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copy: 1 id: 50627-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 17863
AUTH: HUEBSCH I.O.
CLSS: C
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6807
DESC: TABULAR
DESC: Nuclear Weapon Phenomenology cloud shape size L1
REPN: NRDL LR 68 62
TSHO: WATER-SURFACE ; LOW-ALT
SUJO: 2-224-140
TEMP: A5317
TITL: CLOUD PREDICTIONS FOR A LOW-YIELD BURST IN GULF
ATMOSPHERES (U), 12
P., (C)
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17863
.endblock
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copy: 1 id: 50630-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 17865
AUTH: WESLEY E.J.
CLSS: C
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6701
DESC: test instruments nuclear radiation gamma L1
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts measuring
devices

sensors detectors L1
EFFT: GAMMA
REPN: NRDL TR 67 13
SUJO: 3-224-000 ; 4-341-000
TEMP: A5320
TITL: GAMMA RADIATION BACKGROUND IN AN AIRBORNE DETECTION
SYSTEM (U), 36
P., (C)
TREE: 364

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17865
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copy: 1 id: 50632-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 17866
AUTH: WONG P.W. ; MARR T.L. ; SCHNEIDERMAN I.B. ; MILLER E.W.
CLSS: C
CCDE: MOSAICS (WAR GAMING) NRDL
CONN: N 228 (62479) 69606
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6810
DESC: Nuclear Warfare Strategic models L1
DESC: CODE
REPN: NRDL TR 68 114
TSHO: UW
SUJO: 3-422-900
TEMP: A5329
TITL: MILITARY OPERATIONAL-ENVIRONMENTAL SIMULATION AND
INFORMATION-COLLATING (MOESAICS) SYSTEM, VOL. 1,
OVERVIEW AND
PROTOTYPE OF THE SYSTEM (U), 205 P., (C)

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17866
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copy: 1 id: 50633-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 17867
ADNO: 395945
AUTH: OLSON M.A. ; SHAPIRO E.S.
CLSS: C
CCDE: ZZ (RADIOACTIVE POOL SIZE) NRDL
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6812
DESC: Nuclear Weapon Environment fallout intensity contours
patterns L1
POOL

DESC: nuclear test detection debris fallout L1
DESC: THEORY CODE
REPN: NRDL TR 68 145
TSHO: UW
SUJO: 2-225-100 ; 4-919-000
TEMP: A5330 ; 67101(MF)
TITL: SENSITIVITY STUDY OF MATHEMATICAL MODELS FOR AN ON-SITE
INSPECTION
FOR AN UNDERWATER NUCLEAR EXPLOSION IN THE OPEN OCEAN
(U), 125 P.,
(C)

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17867
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 18267
AUTH: ZELIGMAN M.M.
CLSS: SRD
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6712
DESC: EXPERIMENTAL
DESC: Nuclear weapon test yield L1
DESC: Nuclear weapon test device physical operation
construction geometry
materials components L1
REPN: UCRL 50325
SHOT: HEILMAN
TSHO: UG-CONTAINED
SOCE: XXXXXXXXXX
SUJO: 4-835-000 ; 4-836-000
TEMP: A5763
TITL: RADIOCHEMICAL DIAGNOSTIC MEASUREMENTS ON THE HEILMAN
EVENT OF
OPERATION LATCHKEY (U), 31 P., (SRD)

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18267
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copy: 1 id: 51024-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 18268
AUTH: PYPER J.W.
CLSS: SRD
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6808
DESC: Nuclear weapon test device physical operation

construction geometry

materials components L1
DESC: EXPERIMENTAL
DESC: Nuclear weapon test yield L1
REPN: UCRL 50416
SHOT: WARD
TSHO: UG-CONTAINED
SOCE: [REDACTED]
SUJO: 4-835-000 ; 4-836-000
TEMP: A5761
TITL: RADIOCHEMICAL DIAGNOSTIC MEASUREMENTS ON THE WARD EVENT
OF OPERATION
LATCHKEY (U), 47 P., (SRD)

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18268

.endblock

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copy: 1 id: 51025-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 18269
AUTH: HICKS H.G.
CLSS: SRD
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6803
DESC: THEORY EXPERIMENTAL
DESC: Nuclear Weapon Phenomenology cloud shape size L1
DESC: Nuclear weapon test yield L1
DESC: Nuclear Weapon Environment fallout fractionation L1
REPN: UCRL 50369
SHOT: ARKANSAS ; FRIGATE BIRD ; YUKON ; CHETCO ; MUSKEGON ;
TRUCKEE ;

HARLEM ; BLUESTONE
TSHO: LOW-ALT
SUJO: 2-223-500 ; 2-224-140 ; 4-835-000
TEMP: A5762
TITL: CHEMICAL AND GEOMETRIC FRACTIONATION OF ATMOSPHERIC
NUCLEAR
DETONATION DEBRIS (OPERATION DOMINIC) (U), 36 P., (SRD)

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18269

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copy: 1 id: 51026-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 18270
AUTH: MORIMOTO E.M.
CLSS: SRD
CCDE: OUIJA [REDACTED] LLL

CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
 DATE: 6810
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Environment fallout fractionation L1
 DESC: Nuclear Weapon Environment Fallout gamma intensities
 spectra L1
 DESC: Nuclear weapon test device physical operation
 construction geometry
 materials components L1
 DESC: Nuclear weapon test yield L1
 DESC: Nuclear weapon test burn performance L1 EFFICIENCY
 DESC: Nuclear weapon test timing position firing data L1
 DESC: Nuclear Weapon Environment Ground Shock cavities
 subsidence collapse
 L1
 DESC: Nuclear Weapon Environment fission neutrons L1
 DESC: Nuclear Weapon Environment Fallout isotope
 concentrations L1
 REPN: UCRL 50493
 SHOT: MANATEE
 TSHO: UG-CONTAINED
 SOCE: XXXXXXXXXX
 SUJO: 2-223-100 ; 2-223-200 ; 2-223-500 ; 2-223-700 ;
 2-627-000 ;
 4-834-000 ; 4-835-000 ; 4-836-000 ; 4-837-000
 TEMP: A5760
 TITL: RADIOCHEMICAL DIAGNOSTIC MEASUREMENTS ON THE MANATEE
 EVENT OPERATION
 STORAX (U), 34 P., (SRD)
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 18271
 AUTH: NETHAWAY D.R. ; VOSS T.E.
 CLSS: SRD
 CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
 DATE: 6702
 DESC: Nuclear Physics Chemistry L1
 DESC: Nuclear Energy Peaceful Applications basic physical
 measurements
 nuclear cross sections L1
 DESC: EXPERIMENTAL
 REPN: UCRL 50254
 SUJO: 3-486-000 ; 9-010-000
 TEMP: A5765
 TITL: MEASUREMENT OF INDEPENDENT FISSION YIELDS FROM FISSION
 OF TH232,
 U235, AND U238 WITH 14-MEV NEUTRONS (U), 14 P., (SRD)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 18415
AUTH: HOFF R.W.
CLSS: SRD
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6703
DESC: EXPERIMENTAL
DESC: Nuclear weapon test yield L1
DESC: Nuclear weapon test device physical operation
construction geometry
materials components L1
REPN: UCRL 14898
SHOT: MAXWELL
TSHO: UG-CONTAINED
SOCE: XX
SUJO: 4-835-000 ; 4-836-000
TEMP: A6164
TITL: RADIOCHEMICAL DIAGNOSTIC MEASUREMENTS ON THE MAXWELL
EVENT OF OPERATION FLINTLOCK (U), 104 P., (SRD)

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copy: 1 id: 51199-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 18419
CLSS: SRD
CORP: SANDIA LAB. (LIVERMORE, CA.) ; LAWRENCE RADIATION LAB.
(LIVERMORE, CA.)
DATE: 6712
DESC: Nuclear weapon safety operational in-field use
reliability broken
arrows L1
DESC: Nuclear weapon test device physical operation
construction geometry
materials components L1
REPN: SCL WD 67 37 ; RS 8232 2/17030
SOCE: MK 47 Y2 MOD 3
SUJO: 4-836-000 ; 4-838-600
TEMP: A6172
TITL: FINAL EVALUATION REPORT FOR THE MK 47 WARHEAD (U), 46

P., (SRD)
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18419
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 18420
CLSS: SRD CNWDI
CORP: SANDIA LAB. (LIVERMORE, CA.) ; LAWRENCE RADIATION LAB.
(LIVERMORE,
CA.)
DATE: 6810
DESC: Nuclear weapon test device physical operation
construction geometry
materials components L1
DESC: Nuclear Weapon Effects reentry systems RV electronics L1
DESC: Nuclear weapon safety operational in-field use
reliability broken
arrows L1
DESC: EXPERIMENTAL TABULAR
DESC: Nuclear Weapon Effects ordnance bombs mines warheads
nuclear L1
EFFT: X-RAY ; TREE
REPN: SCL WD 68 33 ; RS 8232 2/21286
SHOT: MIDI MIST
TSHO: UG-CONTAINED
SOCE: W 56-4
SUJO: 3-113-300 ; 3-161-100 ; 4-836-000 ; 4-838-600
SYST: MK 11 A/C RV ; MINUTEMAN
TEMP: A6173
TITL: W56-4 WARHEAD FINAL DEVELOPMENT REPORT (U), 80 P., (SRD
CNWDI)
TREE: 396
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18420
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copy: 1 id: 51204-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 18421
CLSS: SRD CNWDI
CORP: SANDIA LAB. (LIVERMORE, CA.) ; LAWRENCE RADIATION LAB.
(LIVERMORE,
CA.)
DATE: 6810
DESC: EXPERIMENTAL TABULAR
DESC: Nuclear weapon safety operational in-field use

reliability broken

arrows L1

DESC: Nuclear weapon test device physical operation
construction geometry

materials components L1

DESC: Nuclear Weapon Effects reentry systems RV materials
heatshield L1

DESC: Nuclear Weapon Effects ordnance bombs mines warheads
nuclear L1

REPN: SCL WD 68 52 ; RS 8232 2/23172

TSHO: UG-CONTAINED

SOCE: W68

SUJO: 3-113-220 ; 3-161-100 ; 4-836-000 ; 4-838-600

SYST: POSEIDON ; MK 3 RV

TEMP: A6174

TITL: INTERIM DEVELOPMENT REPORT ON THE W68 WARHEAD (U), 106
P., (SRD

CNWDI)

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18421

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18434

AUTH: SQUIRE ROBERT K.

CLSS: SRD

CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)

DATE: 6707

DESC: Nuclear weapon test device physical operation
construction geometry

materials components L5

DESC: TABULAR

DESC: Nuclear Warfare Theater systems artillery L1

REPN: UCRL 50236

SOCE: M422 PROJECTILE ; XM454 PROJECTILE

SUJO: 3-413-400 ; 4-836-000

TEMP: A6202

TITL: NUCLEAR ARTILLERY--CANNON SUMMARY (U), 19 P., (SRD)

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18434

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copy: 1 id: 51218-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18435

AUTH: NETHAWAY D.R.

CLSS: SRD

CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6702
DESC: Nuclear weapon test yield L1
DESC: EXPERIMENTAL
DESC: Nuclear weapon test device physical operation
construction geometry
materials components L1
REPN: UCRL 50196
SHOT: SAXON
TSHO: UG-CONTAINED
SOCE: [REDACTED]
SUJO: 4-835-000 ; 4-836-000
TEMP: A6203
TITL: CLASSIFIED TITLE (U) 64 P., (SRD)

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copy: 1 id: 51219-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18437
AUTH: HICKS H.G.
CLSS: SRD
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6709
DESC: Nuclear Weapon Phenomenology cloud shape size L5 P 7
DESC: Nuclear weapon test yield L1
DESC: Nuclear weapon test device physical operation
construction geometry

materials components L1

DESC: Nuclear Weapon Environment Fallout isotope
concentrations L5 CLOUD
INTENSITIES P 7

DESC: EXPERIMENTAL
REPN: UCRL 50212
SHOT: BIGHORN
TSHO: LOW-ALT
SOCE: [REDACTED]
SUJO: 2-223-100 ; 2-224-140 ; 4-835-000 ; 4-836-000
TEMP: A6205
TITL: CLASSIFIED TITLE (U) 101 P., (SRD)

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18437

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copy: 1 id: 51221-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 18463

CLSS: SRD CNWDI
 CORP: SANDIA CORP (LIVERMORE, CA.) ; LAWRENCE RADIATION LAB
 (LIVERMORE, CA.)
 DATE: 6705
 DESC: Nuclear weapon safety operational in-field use
 reliability broken
 arrows L1
 DESC: Nuclear weapon test device physical operation
 construction geometry
 materials components L1
 DESC: TABULAR
 REPN: SCL WD 66 11 ; RS 8232 2/14543
 SOCE: XW-68
 SUJO: 4-836-000 ; 4-838-600
 SYST: MK 3 RV ; POSEIDON
 TEMP: A6231
 TITL: CLASSIFIED TITLE (U) 66 P., (SRD CNWDI)
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

INUM: 18486
 AUTH: CAPUTI R.W.
 CLSS: SRD
 CORP: NAVAL RADIOLOGICAL DEFENSE LAB (SAN FRANCISCO, CA.)
 DATE: 6705
 DESC: THEORY
 DESC: nuclear test detection debris fallout L1
 DESC: Nuclear Weapon Environment Fallout isotope
 concentrations L1
 REPN: NRDL TR 67 75
 TSHO: UW
 SUJO: 2-223-100 ; 4-919-000
 TEMP: A5550
 TITL: LOCATION AND IDENTIFICATION OF UNDERBOTTOM NUCLEAR
 EXPLOSIONS, PART
 II (U), 48P., (SRD)
 .block
 18486
 .endblock
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 copy: 1 id: 51271-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

INUM: 18548
 AUTH: MEADOWS J.W.T.

CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6703
DESC: Nuclear weapon test device physical operation
construction geometry
materials components L1
DESC: EXPERIMENTAL
DESC: Nuclear weapon test yield L1
REPN: UCRL 50120
SHOT: KERMET
TSHO: UG-CONTAINED
SOCE: [REDACTED]
SUJO: 4-835-000 ; 4-836-000
TEMP: A6280
TITL: RADIOCHEMICAL DIAGNOSTIC MEASUREMENTS ON THE KERMET
EVENT OF
OPERATION FLINTLOCK (U), 61 P., (SRD)

.block
18548
.endblock
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copy: 1 id: 51330-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 18549
AUTH: HICKS H.G.
CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6704
DESC: Nuclear weapon test device physical operation
construction geometry
materials components L1
DESC: Nuclear weapon test yield L1
DESC: EXPERIMENTAL
REPN: UCRL 50107
SHOT: ARKANSAS
TSHO: LOW-ALT
SOCE: [REDACTED]
SUJO: 4-835-000 ; 4-836-000
TEMP: A6281
TITL: CLASSIFIED TITLE (U), 95 P., (SRD)

.block
18549
.endblock
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copy: 1 id: 51331-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 18550
AUTH: NOLEN L.L.

CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6706
DESC: EXPERIMENTAL
DESC: Nuclear weapon test yield L1
DESC: Nuclear weapon test device physical operation
construction geometry
materials components L1
REPN: UCRL 50109
SHOT: STUTZ
TSHO: UG-CONTAINED
SOCE: XXXXXXXXXX
SUJO: 4-835-000 ; 4-836-000
TEMP: A6282
TITL: CLASSIFIED TITLE (U), 48 P., (SRD)

.block

18550

.endblock

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copy: 1 id: 51332-1001 library: DOCUMENT price: 5.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18626
AUTH: SCHAEFER R.F. ; DEAN D.K. ; BRANDVOLD G.E. ; KARPENKO V.
; WALDRON

R.L.

CLSS: SRD
CORP: SANDIA CORP (LIVERMORE, CA.) ; LAWRENCE RADIATION LAB.
(LIVERMORE, CA.)

DATE: 6701
DESC: Nuclear Weapon Effects reentry systems RV electronics L1
BAGPIPE

DESC: Nuclear weapon test device physical operation
construction geometry
materials components L5

DESC: TABULAR
EFFT: NEUTRON ; TREE
REPN: SCL DR 65 145 ; RS 8232 2/12460
SOCE: BAGPIPE III-A
SUJO: 3-113-300 ; 4-836-000
TEMP: A6237
TITL: BAGPIPE DEVELOPMENT REPORT (U), 76 P., (SRD)
TREE: 396

.block

18626

.endblock

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copy: 1 id: 51406-1001 library: DOCUMENT price: 5.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 18682
AUTH: MODE V.A.
CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6706
DESC: Nuclear weapon test yield L1
DESC: EXPERIMENTAL
REPN: UCRL 50169
SHOT: TEMPLAR
TSHO: UG-CONTAINED
SOCE: [REDACTED]
SUJO: 4-835-000
TEMP: A6486
TITL: RADIOCHEMICAL DIAGNOSTIC MEASUREMENTS ON THE TEMPLAR
EVENT OF OPERATION FLINTLOCK (U) 72 P., (SRD)

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18682
.endblock
.block

copy: 1 id: 51462-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 18683
AUTH: MORROW R.J.
CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6706
DESC: EXPERIMENTAL
DESC: Nuclear weapon test device physical operation
construction geometry
materials components L1
DESC: Nuclear weapon test yield L1
REPN: UCRL 50191
SHOT: DOUBLE PLAY
TSHO: UG-CONTAINED
SOCE: [REDACTED]
SUJO: 4-835-000 ; 4-836-000
TEMP: A6487
TITL: RADIOCHEMICAL DIAGNOSTIC MEASUREMENTS ON THE DOUBLE PLAY
EVENT OF OPERATION FLINTLOCK (U), 33 P., (SRD)

.block
18683
.endblock
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copy: 1 id: 51463-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 18684

AUTH: READ J.B.J.
CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6704
DESC: Nuclear weapon test device physical operation
construction geometry
materials components L1
DESC: Nuclear weapon test yield L1
DESC: EXPERIMENTAL
REPN: UCRL 50184
SHOT: TAPESTRY
TSHO: UG-CONTAINED
SOCE: [REDACTED]
SUJO: 4-835-000 ; 4-836-000
TEMP: A6488
TITL: RADIOCHEMICAL DIAGNOSTIC MEASUREMENTS ON THE TAPESTRY
EVENT OF
OPERATION FLINTLOCK (U) 48 P., (SRD)

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18684
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copy: 1 id: 51464-1001 library: DOCUMENT price: 5.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 18792
AUTH: HICKS H.G.
CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6702
DESC: EXPERIMENTAL
DESC: Nuclear weapon test yield L1
REPN: UCRL 14978
SHOT: BLUESTONE
TSHO: LOW-ALT
SOCE: [REDACTED]
SUJO: 4-835-000
TEMP: A6610
TITL: RADIOCHEMICAL DIAGNOSTIC MEASUREMENTS ON THE BLUESTONE
EVENT OF
OPERATION DOMINIC (U) 69 P., (SRD)

.block
18792
.endblock
.block
copy: 1 id: 51568-1001 library: DOCUMENT price: 5.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 18929
ABS: This is a report of a nuclear safety study conducted by

the USAF

proposed Nuclear Weapon System Safety Group (NWSSG) concerning a tactical exercise to be conducted in an operational environment at Fort Irwin military reservation, California. The weapon systems studied were the F-105F/MK 43 and MK 57, and the F-4C/MK 57.

CLSS: SRD
CORP: AIR FORCE NUCLEAR WEAPON SYSTEM SAFETY GROUP (KIRTLAND AFB, NM.)

DATE: 6805

DESC: Nuclear Weapon Environment fallout intensity contours patterns L1

DESC: Nuclear Weapon Environment radiation decay gamma decay L1

DESC: TABULAR

DESC: Nuclear weapon safety operational in-field use reliability broken

arrows L1

DESC: Nuclear Weapon Effects on animals thermal ocular effects L5

REPN: NWSSG 67 4

TSHO: SURFACE

SOCE: MK 43 BOMB ; MK 57 BOMB

SUJO: 2-223-420 ; 2-225-100 ; 3-313-200 ; 4-838-600

SYST: F-105F AIRCRAFT ; F-4C AIRCRAFT

TEMP: A6685

TITL: SPECIAL SAFETY STUDY REPORT OF CORONET HAT (U) 172 P., (SRD)

TNFF: 8882

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18929

.endblock

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copy: 1 id: 51704-1001 library: DOCUMENT price: 3.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19037

ABS: The operational philosophy of the array program is reviewed in

detail and an introduction to the O5R neutron Monte Carlo code is

presented. Experimental and calculational results are given for

twelve critical plutonium arrays and eight critical single unit

systems of various materials.

AUTH: PRUVOST N.L. ; PEFLEY G.V.JR.

CLSS: SRD CNWDI

CCDE: 05R [REDACTED] ORNL

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6804
DESC: TABULAR
DESC: Nuclear weapon safety criticality studies L1
DESC: Nuclear weapon test device physical operation
construction geometry

materials components L1

REPN: UCRL 50415

SUJO: 4-836-000 ; 4-838-900

SYST: XW-62 ; XW-68 ; MK 3 RV

TEMP: A6710

TITL: ARRAY PROGRAM STATUS REPORT II (U) 43 P., (SRD CNWDI)

TNFF: 8870

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19037

.endblock

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copy: 1 id: 51811-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19040

AUTH: HICKS H.G.

CLSS: SRD

CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)

DATE: 6810

DESC: Nuclear weapon test device physical operation

construction geometry

materials components L1

DESC: EXPERIMENTAL

DESC: Nuclear weapon test yield L1

REPN: UCRL 50423

SHOT: CALAMITY

TSHO: LOW-ALT

SOCE: [REDACTED]

SUJO: 4-835-000 ; 4-836-000

TEMP: A6803

TITL: RADIOCHEMICAL DIAGNOSTIC MEASUREMENTS ON THE CALAMITY
EVENT OF THE

DOMINIC PROGRAM (U) 122 P., (SRD)

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19040

.endblock

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copy: 1 id: 51814-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19041

AUTH: CRAWFORD T.V.

CLSS: SRD

CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)

DATE: 6808
DESC: Nuclear Weapon Environment radiation decay isotopic half
lives L1
DESC: Nuclear Weapon Environment fallout transport L1
DESC: Environmental Conditions at Nuclear Weapon Test Site
weather L1
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Fallout isotope
concentrations L1
REPN: UCRL 50503
SHOT: CABRIOLET
TSHO: UG-CONTAINED
SUJO: 2-223-100 ; 2-223-410 ; 2-224-200 ; 4-841-000
TEMP: A6804
TITL: LONG-RANGE TRAVEL AND DIFFUSION OF THE CABRIOLET CLOUD
(U) 81 P., (SRD)

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19041
.endblock
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copy: 1 id: 51815-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19042
AUTH: HICKS H.G.
CLSS: SRD
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6805
DESC: Nuclear weapon test yield L1
DESC: Nuclear weapon test device physical operation
construction geometry
materials components L1
DESC: EXPERIMENTAL
REPN: UCRL 50343
SHOT: FRIGATE BIRD
TSHO: LOW-ALT
SOCE: XXXXXXXXXX
SUJO: 4-835-000 ; 4-836-000
SYST: POLARIS
TEMP: A6805
TITL: RADIOCHEMICAL DIAGNOSTIC MEASUREMENTS ON THE FRIGATE
BIRD EVENT OF
OPERATION DOMINIC (U) 50 P., (SRD)

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19042
.endblock
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19043
AUTH: MODE V.A.
CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6802
DESC: Nuclear weapon test yield L1
DESC: Nuclear weapon test device physical operation
construction geometry
materials components L1
DESC: EXPERIMENTAL
REPN: UCRL 50362
SHOT: SWITCH
TSHO: UG-CONTAINED
SOCE: [REDACTED]
SUJO: 4-835-000 ; 4-836-000
TEMP: A6806
TITL: RADIOCHEMICAL DIAGNOSTIC MEASUREMENTS OF THE SWITCH
EVENT OF
OPERATION LATCHKEY (U) 85 P., (SRD)

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19043
.endblock
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19044
AUTH: ZELIGMAN M.M.
CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6801
DESC: EXPERIMENTAL
DESC: Nuclear weapon test yield L1
DESC: Nuclear weapon test device physical operation
construction geometry
materials components L1
REPN: UCRL 50279
SHOT: BOGEY
TSHO: UG-CONTAINED
SOCE: [REDACTED]
SUJO: 4-835-000 ; 4-836-000
TEMP: A6807
TITL: RADIOCHEMICAL DIAGNOSTIC MEASUREMENTS ON THE BOGEY EVENT
OF
OPERATION NIBLICK (U) 42 P., (SRD)

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19044
.endblock
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copy: 1 id: 51818-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19045
AUTH: HORNBECK R.F.
CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6801
DESC: Nuclear weapon test device physical operation
construction geometry
materials components L1
DESC: EXPERIMENTAL
DESC: Nuclear weapon test yield L1
REPN: UCRL 50338
SHOT: AJAX
TSHO: UG-CONTAINED
SOCE: [REDACTED]
SUJO: 4-835-000 ; 4-836-000
TEMP: A6808
TITL: RADIOCHEMICAL DIAGNOSTIC MEASUREMENTS ON THE AJAX EVENT
OF OPERATION
LATCHKEY (U) 62 P., (SRD)

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19045

.endblock

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copy: 1 id: 51819-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19046
AUTH: NOLEN L.L.
CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6712
DESC: Nuclear weapon test yield L1
DESC: EXPERIMENTAL
DESC: Nuclear weapon test device physical operation
construction geometry
materials components L1
REPN: UCRL 50266
SHOT: NEW POINT
TSHO: UG-CONTAINED
SOCE: [REDACTED]
SUJO: 4-835-000 ; 4-836-000
TEMP: A6809
TITL: RADIOCHEMICAL DIAGNOSTIC MEASUREMENTS ON THE NEW POINT
EVENT OF
OPERATION LATCHKEY (U) 41 P., (SRD)

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19046

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copy: 1 id: 51820-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19047
AUTH: WALTON J.R.
CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6711
DESC: Nuclear weapon test yield L1
DESC: Nuclear weapon test device physical operation
construction geometry
materials components L1
DESC: EXPERIMENTAL
REPN: UCRL 50267
SHOT: TRAVELER
TSHO: UG-CONTAINED
SOCE: [REDACTED]
SUJO: 4-835-000 ; 4-836-000
TEMP: A6810
TITL: RADIOCHEMICAL DIAGNOSTIC MEASUREMENTS ON TRAVELER EVENT
OF OPERATION
FLINTLOCK(U) 63 P., (SRD)

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19047

.endblock

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copy: 1 id: 51821-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19048
AUTH: FRANK W.J.
CLSS: SRD CNWDI
CCDE: MARK III [REDACTED] LLL
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6710
DESC: Nuclear weapon basic design L1
DESC: THEORY BIBLIOGRAPHY CODE
REPN: UCRL 50248
SUJO: 4-831-000
TEMP: A6811
TITL: NTH COUNTRY EXPERIMENT--SUPPORTING DOCUMENTS (U) 219 P.,
(SRD CNWDI)

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19048

.endblock

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copy: 1 id: 51822-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19049
AUTH: STEVENSON P.C.
CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6710
DESC: Nuclear weapon test yield L1
DESC: Nuclear weapon test device physical operation
construction geometry
materials components L1
DESC: EXPERIMENTAL
REPN: UCRL 50271
SHOT: KANKAKEE
TSHO: UG-CONTAINED
SOCE: [REDACTED]
SUJO: 4-835-000 ; 4-836-000
TEMP: A6812
TITL: RADIOCHEMICAL DIAGNOSTIC MEASUREMENTS OF THE KANKAKEE
EVENT OF
OPERATION FLINTLOCK (U) 66 P., (SRD)

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19049
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copy: 1 id: 51823-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19050
AUTH: MODE V.A.
CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6710
DESC: EXPERIMENTAL
DESC: Nuclear weapon test yield L1
DESC: Nuclear weapon test device physical operation
construction geometry
materials components L1
REPN: UCRL 50298
SHOT: SIMMS
TSHO: UG-CONTAINED
SOCE: [REDACTED]
SUJO: 4-835-000 ; 4-836-000
TEMP: A6813
TITL: RADIOCHEMICAL DIAGNOSTIC MEASUREMENTS ON THE SIMMS EVENT
OF
OPERATION LATCHKEY(U) 99 P., (SRD)

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19050
.endblock

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copy: 1 id: 51824-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

.endblock

INUM: 19051
AUTH: HICKS H.G.
CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6709
DESC: EXPERIMENTAL
DESC: Nuclear weapon test device physical operation
construction geometry

materials components L1
DESC: Nuclear weapon test yield L1
REPN: UCRL 50268
SHOT: HANDICAP ; REX ; ROVENA ; RIVET 1 ; RIVET 2 ; RIVET 3
TSHO: UG-CONTAINED
SOCE: [REDACTED]
SUJO: 4-835-000 ; 4-836-000
TEMP: A6814
TITL: CLASSIFIED TITLE (U) 181 P., (SRD)

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19051

.endblock

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copy: 1 id: 51825-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19052
AUTH: HICKS H.G.
CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6708
DESC: Nuclear weapon test device physical operation
construction geometry

materials components L1
DESC: Nuclear weapon test yield L1
DESC: EXPERIMENTAL
REPN: UCRL 50241
SHOT: SWANEE
TSHO: LOW-ALT
SOCE: [REDACTED]
SUJO: 4-835-000 ; 4-836-000
TEMP: A6815
TITL: RADIOCHEMICAL DIAGNOSTIC MEASUREMENTS ON THE SWANEE
EVENT OF
OPERATION DOMINIC, FINAL REPORT (U), 68 P., (SRD)

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19052

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copy: 1 id: 51826-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19053
AUTH: JULIAN N.L. ; O'CONNELL L.G. ; SKINNER W.L.
CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6707
DESC: THEORY TABULAR
DESC: Nuclear weapon basic design L1
DESC: Nuclear weapon test device physical operation
construction geometry
materials components L1
REPN: UCID 15112 REV I.
SUJO: 4-831-000 ; 4-836-000
TEMP: A6816
TITL: TRITIUM DECAY, AN ANALYSIS OF THE RESULTANT PROBLEMS (U)
56 P.,
(SRD)

.block

.19053

.endblock

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copy: 1 id: 51827-1001 library: DOCUMENT price: \$0.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19054
AUTH: NETHAWAY D.R.
CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6704
DESC: Nuclear weapon test yield L1
DESC: EXPERIMENTAL
DESC: Nuclear weapon test device physical operation
construction geometry
materials components L5
REPN: UCRL 50245
SHOT: CARMEL
TSHO: UG-CONTAINED
SOCE: XXXXXXXXXX
SUJO: 4-835-000 ; 4-836-000
TEMP: A6817
TITL: RADIOCHEMICAL DIAGNOSTIC MEASUREMENTS ON THE CARMEL
EVENT OF
OPERATION STORAX (U) 51 P., (SRD)

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.19054

.endblock

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copy: 1 id: 51828-1001 library: DOCUMENT price: \$0.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19055
 AUTH: FRANK W.J.
 CLSS: SRD CNWDI
 CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
 DATE: 6703
 DESC: Nuclear weapon basic design L1
 DESC: Nuclear weapon program management documents L1
 DESC: SUMMARY
 REPN: UCRL 50249
 SUJO: 4-830-500 ; 4-831-000
 TEMP: A6818
 TITL: SUMMARY REPORT OF THE NTH COUNTRY EXPERIMENT (U) 64 P.,
 (SRD CNWDI)
 .block
 19055
 .endblock
 .block
 copy: 1 id: 51829-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

INUM: 19175
 AUTH: CRISCIONE E.S. ; MENTE L.J. ; HOBBS N.P.
 CLSS: SRD
 CONN: DA 18 001 AMC 1047(X)
 CORP: KAMAN AVIDYNE (BURLINGTON, MA.)
 DATE: 6704
 DESC: Nuclear Weapon Effects missile systems ABM structures L1
 AIRS I AND II
 II
 DESC: THEORY
 EFFT: THERMAL ; AIR-BLAST
 REPN: AMC 67 18 ; KN 11458
 SUJO: 3-112-210
 TEMP: A7042
 TITL: VULNERABILITY OF STANDARD ARMY INTERCEPTOR SYSTEMS (AIRS
 I AND II)
 TO NUCLEAR WEAPONS BLAST THERMAL RADIATION EFFECTS (U),
 162 P.,
 (SRD)

.block
 19175
 .endblock
 .block
 copy: 1 id: 51958-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

INUM: 19187
 AUTH: HICKS H.G.
 CLSS: SRD
 CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)

DATE: 6805
DESC: Nuclear weapon test device physical operation
construction geometry
materials components L1
DESC: EXPERIMENTAL
DESC: Nuclear weapon test yield L1
REPN: UCRL 50302
SHOT: MUSKEGON
TSHO: LOW-ALT
SOCE: [REDACTED]
SUJO: 4-835-000 ; 4-836-000
TEMP: A6740
TITL: RADIOCHEMICAL DIAGNOSTIC MEASUREMENTS ON THE MUSKEGON
EVENT OF THE
DOMINIC PROGRAM (U), 121 P., (SRD)

.block
19187
.endblock

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copy: 1 id: 51969-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19198
AUTH: HUDSON B.C.
CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6812
DESC: Nuclear Weapon Environment X-ray Output energy spectrum
L1
DESC: EXPERIMENTAL
REPN: UCID 15426
SHOT: HUPMOBILE
TSHO: UG-CONTAINED
SUJO: 1-620-000
TEMP: A6975
TITL: THERMOPILE FLUORESCER EXPERIMENT IN THE HUPMOBILE EVENT
FINAL
RESULTS (U) 16 P., (SRD)
TREE: 930

.block
19198
.endblock

.block
copy: 1 id: 51980-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19199
AUTH: HUDSON B.C.
CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)

DATE: 6811
DESC: test instruments x-ray effects L1
DESC: Nuclear Weapon Environment X-ray Output energy spectrum
L1
DESC: EXPERIMENTAL
REPN: UCID 15408
SHOT: HUPMOBILE
TSHO: UG-CONTAINED
SUJO: 1-620-000 ; 4-330-000
TEMP: A6976
TITL: TOTAL-FLUX CALORIMETER MEASUREMENTS IN THE HUPMOBILE
EVENT FINAL

RESULTS (U) 15 P., (SRD)
TREE: 930
.block
19199
.endblock
.block
copy: 1 id: 51981-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19200
AUTH: VON GOTTFRIED L. ; GUY F.W. ; LESSLER R.M.
CLSS: SRD
CCDE: MEG. [REDACTED] LLL ; SORS [REDACTED] LLL
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6808
DESC: Nuclear Weapon Environment Initial Gamma energy spectrum
L1
DESC: Nuclear Weapon Environment Prompt Neutron energy
spectrum L1
DESC: TABULAR
DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse
width L1
REPN: UCID 15361
SOCE: [REDACTED]
SUJO: 1-120-000 ; 1-720-000 ; 1-740-000
TEMP: A6977
TITL: NEUTRON AND GAMMA OUTPUTS FOR A LOW-MEGATON
THERMONUCLEAR DEVICE (U)

22 P., (SRD)
TREE: 910 ; 920
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19200
.endblock
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copy: 1 id: 51982-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19201

AUTH: RAWSON D.E. ; DORN D.W. ; CURTIS H.B. ; DOWNEN J.D.
CLSS: SRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6803
DESC: Nuclear Energy Peaceful Applications economic
considerations L1
DESC: PLOWSHARE ; TABULAR
REPN: UCRL 50410
SUJO: 3-488-000
TEMP: A6978
TITL: COST OF NUCLEAR EXPLOSIVES FOR NATURAL RESOURCES
APPLICATIONS (U) 21
P., (SRD)

.block

19201

.endblock

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copy: 1 id: 51983-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19202

AUTH: ARON F.W. ; RANDOLPH P.L.

CLSS: SRD

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)

DATE: 6802

DESC: Nuclear Weapon Environment Ground Shock cavities
subsidence collapse

L1

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Environment Ground Shock scaling L1

REPN: UCRL 50391

SHOT: BLANCA ; LOGAN ; MADISON ; RAINIER ; ANTLER ; DOOR MIST
; MIDI MIST

TSHO: UG-CONTAINED

SUJO: 2-624-000 ; 2-627-000

TEMP: A6979

TITL: COMPARISON OF CAVITY RADII FOR EVENTS IN TUFF AND
RHYOLITE (U) 17

P., (SRD)

.block

19202

.endblock

.block

copy: 1 id: 51984-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19203

AUTH: HICKS H.G.

CLSS: SRD

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)

DATE: 6801
DESC: Nuclear weapon test timing position firing data L1
PLACEMENT
DESC: EXPERIMENTAL
DESC: Nuclear weapon test yield L1
REPN: UCRL 50372
SHOT: MARVEL
TSHO: UG-CONTAINED
SOCE: XXXXXXXXXX
SUJO: 4-834-000 ; 4-835-000
TEMP: A6980
TITL: RADIOCHEMICAL DIAGNOSTIC MEASUREMENTS ON THE MARVEL
EVENT OF :
OPERATION CROSSTIE (U), 34 P., (SRD)

.block
19203
.endblock
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copy: 1 id: 51985-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19227
AUTH: GARRETT C.W.
CLSS: U
CCDE: LO5 ; COHORT
CORP: DASA, ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE
(BETHESDA, MD.)
DATE: 6801
DESC: Nuclear Test Simulation Field Programs experiment design
fallout

radioactivity L1 BUILDUP FACTOR
DESC: THEORY
REPN: AFRRRI SR68 1
SUJO: 4-821-000
TITL: RADIATION ENVIRONMENT ABOVE AN AIR-GROUND INTERFACE
COVERED WITH 60
CO (U), 34 P., (U)

.block
19227
.endblock
.block

copy: 1 id: 52017-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19510
AUTH: GRUBAUGH R.E. ; ELLIOTT L.E.
CLSS: CFRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6705
DESC: Nuclear Weapon Environment Ground Shock motion strain

fracture

displacement particle velocity L1
DESC: THEORY EXPERIMENTAL
DESC: Nuclear Weapon Environment Ground Shock velocity arrival
time
spectrum duration L1 ARRIVAL SPECTRUM
DESC: Nuclear Weapon Effects structures aboveground components
L1
EFFT: GROUND-SHOCK
REPN: UCRL 13309
SHOT: TAPESTRY
TSHO: UG-CONTAINED
SUJO: 2-621-000 ; 2-622-000 ; 3-251-100
TEMP: A7440
TITL: RESPONSE OF SURFACE ZERO STRUCTURES AT TAPESTRY (U), 80
P., (CFRD)

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19510

.endblock

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copy: 1 id: 52269-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19512
AUTH: DENNY M.D.
CLSS: CFRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6809
DESC: nuclear test detection seismic detection L1
DESC: Nuclear Weapon Environment Ground Shock motion strain
fracture

displacement particle velocity L1

DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Ground Shock seismic
measurements L1

REPN: UCRL 50508
SHOT: SCROLL
TSHO: UG-CONTAINED
SUJO: 2-620-300 ; 2-621-000 ; 4-910-100
TEMP: A7442
TITL: INTERPRETATION OF SEISMIC SIGNALS FROM SCROLL (U), 26
P., (CFRD)

.block

19512

.endblock

.block

copy: 1 id: 52271-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19513

AUTH: MARKS R.E.
CLSS: CFRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6811
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Ground Shock velocity arrival
time
spectrum duration L1 ARRIVAL TIME
DESC: Nuclear Test Simulation Field Programs experiment design
ground
shock L1
DESC: Nuclear Weapon Environment Ground Shock impact pressure
stress L1
DESC: Nuclear Weapon Environment Ground Shock motion strain
fracture
displacement particle velocity L1
REPN: UCRL 50507
SHOT: SCROLL
TSHO: UG-CONTAINED
SUJO: 2-621-000 ; 2-622-000 ; 2-623-000 ; 4-820-100
TEMP: A7443
TITL: CLOSE-IN SUBSURFACE AND SURFACE SHOCK-WAVE MEASUREMENTS
IN THE
SCROLL EVENT (U), 35 P., (CFRD)

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19513

.endblock

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copy: 1 id: 52272-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19549
AUTH: ALEXANDER T.A.
CLSS: SRD CNWDI
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6807
DESC: Nuclear weapon test yield L1
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse
EMP L1
DESC: THEORY EXPERIMENTAL
DESC: Nuclear weapon test burn performance L1
EMPF: 261 ; 211 ; 212
REPN: NRDL TR 68 80
TSHO: LOW-ALT ; HI-ALT
SUJO: 2-510-000 ; 4-835-000 ; 4-837-000
TEMP: A7268
TITL: RELATIONSHIP OF EMP SIGNATURES TO NUCLEAR BURST
PARAMETERS AND
DEVICE CHARACTERISTICS (U), 76 P., (SRD CNWDI)

.block

19549

.endblock

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copy: 1 id: 52307-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19586
AUTH: HENRY R.L. ; STOKES J.R. ; RIGGLE W.L.
CLSS: S
CONN: DA 20 113 AMC 09896(T)
CORP: NUCLEAR RESEARCH SERVICES, INC. (DALLAS, TX.)
DATE: 6712
DESC: Nuclear Weapon Effects land transport armored vehicles
L1 CREW
DESC: Nuclear Weapon Environment Prompt Neutron source
strength total
fluence L5
DESC: THEORY TABULAR
DESC: Nuclear Weapon Environment Initial Gamma source strength
total
intensity L5
DESC: Cross Sections gamma L1
DESC: Cross Sections neutron L1
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt L1
INSIDE TANK
EFFT: NETURON ; GAMMA
REPN: NRS T1
SUJO: 1-110-000 ; 1-710-000 ; 3-151-000 ; 3-312-100 ;
9-820-000 ;
9-830-000
TEMP: A7253
TITL: COMBAT VEHICLE SHIELDING TECHNOLOGY, FINAL REPORT (U),
200 P., (S)
TREE: 411 ; 412

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19586

.endblock

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copy: 1 id: 52344-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19617
AUTH: KAHN J.S. ; GERMAIN L.S.
CLSS: CFRD
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE, CA.)
DATE: 6808
DESC: Nuclear Weapon Environment Ground Shock impact pressure
stress L1
DESC: Nuclear Weapon Environment Ground Shock scaling L1
DESC: THEORY EXPERIMENTAL
DESC: Nuclear Weapon Environment Ground Shock cavities

subsidence collapse
 L1 MANY UG SHOTS TABLES CONTAINMENT DEPTH
 DESC: Nuclear Weapon Environment Ground Shock motion strain
 fracture
 displacement particle velocity L1
 DESC: Environmental Conditions at Nuclear Weapon Test Site
 geology L1
 REPN: UCRL 50481
 SHOT: SALMON ; CABRIOLET
 TSHO: UG-CONTAINED
 SUJO: 2-621-000 ; 2-623-000 ; 2-624-000 ; 2-627-000 ;
 4-842-000
 TEMP: A7431
 TITL: PHENOMENOLOGY AND CONTAINMENT OF UNDERGROUND NUCLEAR
 EXPLOSIONS (U),
 60 P., (CFRD)
 .block
 19617
 .endblock
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 copy: 1 id: 52375-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 19759
 AUTH: BEALL D.S. ; BOSTROM C.O. ; WILLIAMS D.J.
 CLSS: U
 CORP: APPLIED PHYSICS LABORATORY (SILVER SPRING-MARYLAND) ,
 NASA/GODDARD
 SPACE FLIGHT CENTER (GREENBELT-MARYLAND)
 DATE: 6702
 DESC: Nuclear Weapon Phenomenology High-Altitude debris
 coupling
 distribution energy spectrum
 DESC: SATELLITE 1963 38C ; EXPERIMENTAL
 DESC: Nuclear Weapon Phenomenology High-Altitude injection
 trapping
 DESC: Nuclear Weapon Phenomenology High-Altitude debris
 coupling
 distribution energy spectrum
 SHOT: STARFISH
 TSHO: HI-ALT
 SUJO: 2-212-000 ; 2-213-000 ; 2-217-000
 SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 72, NUMBER
 13 (U), P
 3403, JULY 1, 1967
 TITL: STRUCTURE AND DECAY OF THE STARFISH RADIATION BELT,
 OCTOBER 1963 TO
 DECEMBER 1965 (U), 22 P (U)
 .block
 19759
 .endblock
 .block

copy: 1 id: 52542-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19760
AUTH: OLSEN C.W.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
DATE: 6704
DESC: Nuclear Weapon Environment Ground Shock cavities
subsidence collapse
DESC: EXPERIMENTAL THEORY
DESC: Nuclear Weapon Environment Ground Shock heating
thermoluminescence
transitions
TSHO: UG-CONTAINED
SUJO: 2-627-000 ; 2-629-000
SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOL. 72, NO. 20,
(U), P 5037,
OCTOBER 15, 1967
TITL: TIME HISTORY OF THE CAVITY PRESSURE AND TEMPERATURE
FOLLOWING A
NUCLEAR DETONATION IN ALLUVIUM (U), 5 P (U)

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19760

.endblock

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copy: 1 id: 52543-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19767
AUTH: JORGENSEN T.S.
CLSS: U
CONN: GA 214 (NSF) ; NAS 5 3093
CORP: STANFORD UNIVERSITY (STANFORD-CALIFORNIA) ,
METEROLOGICAL
INSTITUTE / DEPARTMENT OF GEOPHYSICS
(CHARLOTTENLUND-DENMARK)
DATE: 6707
DESC: Nuclear Weapon Phenomenology ionospheric waves heave
gravity waves
DESC: TERN I MIDWAY I MAUI HAWAII TUTUILA SAMOA TONGA I
KWAJALEIN I
RAROTONGA COOK I ; EXPERIMENTAL THEORY
SHOT: HOUSATONIC
TSHO: LOW-ALT
SUJO: 2-618-000
SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 73, NUMBER
3 (U), P
1055, FEBRUARY1, 1968
TITL: INTERPRETATION OF AURORAL HISS MEASURED ON OGO 2 AND AT

BYRD STATION

IN TERMS OF INCOHERENT CERENKOV RADIATION (U), UK P (U)

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19767

.endblock

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copy: 1 id: 52550-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19771

AUTH: FABIAN P. ; LIBBY W.F. ; PALMER C.E.

CLSS: U

CORP: UNIVERSITY OF CALIFORNIA (LOS ANGELES-CA)

DATE: 6806

DESC: Nuclear Weapon Environment fallout transfer

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Environment radiation decay isotopic half
lives

SUJO: 2-223-410 ; 2-224-300

SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 73, NUMBER
12 (U), PP

3611-3616, JUNE 15, 1968

TITL: STRATOSPHERIC RESIDENCE TIME AND INTERHEMISPHERIC MIXING
OF

STRONTIUM 90 FROM FALLOUT IN RAIN (U), 6 P (U)

.block

19771

.endblock

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copy: 1 id: 52554-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 19772

AUTH: NYDAL R.

CLSS: U

CORP: NORWEGIAN INSTITUTE OF TECHNOLOGY (TRONDHEIM-NORWAY)

DATE: 6806

DESC: EXPERIMENTAL THEORY

DESC: Nuclear Weapon Environment fallout transfer

DESC: Nuclear Weapon Environment radiation decay isotopic half
lives

LA: NORWAY

SUJO: 2-223-410 ; 2-224-300

SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 73, NUMBER
12 (U), PP

3617-3635, JUNE 15, 1968

TITL: FURTHER INVESTIGATION ON THE TRANSFER OF RADIOCARBON IN
NATURE (U),

19 P (U)

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19772
.endblock
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copy: 1 id: 52555-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19780
AUTH: SPRINGER D. ; DENNY M. ; HEALY J. ; MICKEY W.
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA) , COAST AND
GEODETIC SURVEY (ROCKVILLE-MD) , GEOLOGICAL SURVEY (MENLO
PARK-CA)
DATE: 6809
DESC: Nuclear Weapon Environment Ground Shock motion strain
fracture displacement particle velocity
DESC: EXPERIMENTAL
DESC: nuclear test detection seismic detection
SHOT: STERLING ; DRIBBLE ; SALMON ; COWBOY
TSHO: UG-CONTAINED
SUJO: 2-621-000 ; 4-910-100
SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 73, NUMBER
18 (U), PP 5995-6011, SEPTEMBER 15, 1968
TITL: STERLING EXPERIMENT, DECOUPLING OF SEISMIC WAVES BY A
SHOT-GENERATED CAVITY (U), 17 P (U)

.block
19780
.endblock
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copy: 1 id: 52563-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19784
AUTH: BRAUN R.L. ; KAHN J.S. ; WEISSMANN S.
CLSS: U
CORP: LAWRENCE RADIATION LAB-UNIVERSITY OF CALIFORNIA
LIVERMORE-CA RUTGERS UNIVERSITY (NEW BRUNSWICK-NJ)
DATE: 6812
SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 74, NUMBER
8, APRIL 15, 1969
TITL: X-RAY DIFFRACTION ANALYSIS OF PLASTIC DEFORMATION IN THE
SALMON EVENT (U), 14 P (U)

.block
19784
.endblock

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copy: 1 id: 52567-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19787
AUTH: WELLS W.M.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY-UNIVERSITY OF CALIFORNIA
(LIVERMORE-CA)
DATE: 6810
SYMJ: JOURNAL OF GEOPHYSICAL RESEARCH (U), VOLUME 74, NUMBER
10 (U), P
2791, MAY 15, 1969
TITL: CALCULATION OF SHRINKAGE OF THE SALMON CAVITY (U), 4 P
(U)

.block
19787
.endblock

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copy: 1 id: 52570-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19817
AUTH: RODEAN H.C.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6808
DESC: Soil Rock Properties Equation of State Conductivity
DESC: Nuclear Weapon Environment Fallout isotope
concentrations
DESC: Nuclear weapon test yield
DESC: Nuclear Weapon Effects structures aboveground buildings
DESC: SURVEY
DESC: Nuclear Weapon Environment fallout from venting
DESC: Nuclear Weapon Environment Ground Shock
DESC: Nuclear Weapon Environment fallout intensity contours
patterns
SHOT: HARDHAT ; DANNY BOY ; SCOOTER ; SALMON ; RAINIER ; SHOAL
; GNOME ;
DRIBBLE ; MIKE ; ANACOSTIA ; PAR ; BARBEL
TSHO: UG-CONTAINED ; UG-VENTED
SUJO: 2-223-100 ; 2-224-400 ; 2-225-100 ; 2-620-000 ;
3-251-000 ;
4-835-000 ; 6-300-000
SYMJ: REVIEWS OF GEOPHYSICS (U), VOLUME 6, NUMBER 3 (U), PP
401-445,
AUGUST 1968
TITL: UNDERSTANDING AND CONSTRUCTIVELY USING THE EFFECTS OF
UNDERGROUND
NUCLEAR EXPLOSIONS (U), 45 P (U)

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19817
.endblock
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copy: 1 id: 52598-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19910
AUTH: HENDRICKSON M.M.
CLSS: U
CCDE: EXDOSE
CORP: BATTELLE MEMORIAL INSTITUTE, PACIFIC NORTHWEST LAB.
(RICHLAND, WASH.)
DATE: 6809
DESC: Nuclear Energy Power Nuclear Materials site radiation
safety L5
DESC: THEORY CODE
DESC: Cross Sections gamma L1 STACK PLUME
DESC: Nuclear Weapon Environment fallout transport L5 PLUME
DISPERSION
REPN: BNWL 811
SUJO: 2-224-200 ; 3-540-000 ; 9-830-000
TITL: EXDOSE, A COMPUTER PROGRAM FOR CALCULATING THE EXTERNAL
GAMMA DOSE
FROM AIRBORNE FISSION PRODUCTS (U), CA. 100 P., (U)

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19910
.endblock
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copy: 1 id: 52715-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 19939
AUTH: HENRY R.L.
CLSS: S
CONN: DAAE 07 67 C 4759
CORP: NUCLEAR RESEARCH SERVICES, INC. (DALLAS, TX.)
DATE: 6811
DESC: THEORY TABULAR
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt L1
INSIDE TANK
DESC: Nuclear Weapon Environment Prompt Neutron source
strength total
fluence L5
DESC: Cross Sections gamma L1
DESC: Cross Sections neutron L1 TANK
DESC: Nuclear Weapon Environment Initial Gamma source strength
total

intensity L5
 DESC: Nuclear Weapon Effects land transport armored vehicles
 L1 CREW
 REPN: NRS T3
 SUJO: 1-110-000 ; 1-710-000 ; 3-151-000 ; 3-312-100 ;
 9-820-000 ;
 9-830-000
 TEMP: A7266
 TITL: UNITED STATES FEDERAL REPUBLIC OF GERMANY JOINT MAIN
 BATTLE TANK
 RADIOLOGICAL ARMOR PROGRAM, MBT-70 PARAMETRIC
 RADIOLOGICAL SHIELDING
 EVALUATION AND PRETESTANALYSIS, FINAL REPORT (U), 165
 P., (S)
 TREE: 411 ; 412
 .block
 19939
 .endblock
 .block
 copy: 1 id: 52745-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 20000
 AUTH: SOLLFREY W.
 CLSS: SRD
 CORP: RAND CORP. (SANTA MONICA, CA.)
 DATE: 6702
 DESC: THEORY
 DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse
 EMP L1
 DESC: nuclear test detection EMP earth current detection L1
 EMPF: 222 ; 270
 REPN: RM 5144 ARPA
 SHOT: cpr(66-05-09)
 TSHO: LOW-ALT
 SUJO: 2-510-000 ; 4-914-000
 TEMP: A7897-I
 TITL: DETECTION OF THE ELECTROMAGNETIC PULSE RADIATION FROM A
 NUCLEAR TEST
 (U), 10 P., (SRD)
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 20000
 .endblock
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 copy: 1 id: 53058-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 20157
 AUTH: POWER D.V.
 CLSS: U

CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6808
DESC: Nuclear Weapon Effects structures aboveground dams L1
DESC: PLOWSHARE ; EXPERIMENTAL
REPN: UCRL 50480
SHOT: GASBUGGY
TSHO: UG-CONTAINED
SUJO: 3-253-000
TITL: MOTIONS OF EARTH FILL DAMS DURING THE GASBUGGY EVENT
(U), 30 P., (U)

.block
20157
.endblock

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copy: 1 id: 53192-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20200
AUTH: TAMPLIN A.R. ; FISHER H.L. ; CHAPMAN W.H.
CLSS: U
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6809
DESC: THEORY
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

internal L1
REPN: UCRL 50163 PT. 5
SUJO: 3-312-220
TITL: PREDICTION OF THE MAXIMUM DOSAGE TO MAN FROM THE FALLOUT
OF NUCLEAR
DEVICES; V, ESTIMATION OF THE MAXIMUM DOSE FROM INTERNAL
EMITTERS IN
AQUATIC FOOD SUPPLY (U), 20 P., (U)

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20200
.endblock

.block
copy: 1 id: 53223-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20201
AUTH: BURTON C.A. ; PRATT M.W.
CLSS: U
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6806
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

external L1
DESC: Nuclear weapon basic design L5
DESC: THEORY

DESC: Nuclear Weapon Environment Fallout isotope concentrations L1

REPN: UCRL 50163 PT. 3 REV. 1

SUJO: 2-223-100 ; 3-312-210 ; 4-831-000

TITL: PREDICTION OF THE MAXIMUM DOSAGE TO MAN FROM THE FALLOUT OF NUCLEAR

DEVICES; III, BIOLOGICAL GUIDELINES FOR DEVICE DESIGN (U), 23 P.,

(U)

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20201

.endblock

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copy: 1 id: 53224-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20265

AUTH: BECK H.L. ; BENNETT B.G. ; MCCRAW T.F.

CLSS: U

CORP: ATOMIC ENERGY COMMISSION

DATE: 6712

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Environment fallout intensity contours patterns L1

DESC: Nuclear Weapon Environment Fallout isotope concentrations L1

REPN: HASL 190

SUJO: 2-223-100 ; 2-225-100

TITL: EXTERNAL RADIATION LEVELS ON BIKINI ATOLL, MAY 1967 (U), 79 P., (U)

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 20300

AUTH: KORANDA J.J. ; MARTIN J.R. ; WIKKERINK R.

CLSS: U

CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)

DATE: 6712

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Environment radiation decay isotopic half lives L1

REPN: UCRL 50360

SHOT: SEDAN

TSHO: UG-VENTED

SUJO: 2-223-410

TITL: RESIDUAL TRITIUM AT SEDAN CRATER; PT. 2, SOIL AND EJECTA

STUDIES

(U), 42 P., (U)

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20300

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copy: 1 id: 53294-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 20301

AUTH: HIGGINS G.H. ; BUTKOVICH T.R.

CLSS: U

CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)

DATE: 6702

DESC: Nuclear Weapon Environment Ground Shock cavities
subsidence collapse

L1

DESC: PLOWSHARE ; EXPERIMENTAL

REPN: UCRL 50203

SUJO: 2-627-000

TITL: EFFECT OF WATER CONTENT, YIELD, MEDIUM, AND DEPTH OF
BURST ON CAVITY

RADII (U), 24 P., (U)

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copy: 1 id: 53295-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20308

AUTH: FISCHELL R.E. ; MARTIN J.H. ; RADFORD W.E. ; ALLEN W.E.

CLSS: U

CONN: NOW 62 0604 C

CORP: JOHNS HOPKINS UNIVERSITY (SILVER SPRING, MD.)

DATE: 6703

DESC: Nuclear Weapon Effects electronic pieceparts solar cells
L1

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors

vacuum tubes dielectrics relays switches L1 CAPACITORS

DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes

silicon-controlled rectifiers L1

REPN: TG 886

SUJO: 3-221-000 ; 3-223-000 ; 3-229-000

TITL: RADIATION DAMAGE TO ORBITING SOLAR CELLS AND TRANSISTORS
(U), 25 P.,

(U)

TREE: 362 ; 310
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20308
.endblock
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copy: 1 id: 53302-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20310
AUTH: FLANAGAN T.M. ; HORIYE H. ; LEADON R.E. ; NABER J.A. ;
VAN LINT V.A.J.
CLSS: U
CONN: DAAG 39 67 C 0028
CORP: GULF GENERAL ATOMIC, INC. (SAN DIEGO, CA.)
DATE: 6712
DESC: Nuclear Weapon Effects materials metals alloys L1 MGO
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes silicon-controlled rectifiers L1
EFFT: TREE
REPN: GA 8338
SUJO: 3-221-000 ; 3-243-000
TITL: TRANSIENT RADIATION EFFECTS; FINAL REPORT (U), 155 P.,
(U)
TREE: 310

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20310
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copy: 1 id: 53304-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20347
AUTH: MAIER R.J.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6803
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes silicon-controlled rectifiers L1
DESC: EXPERIMENTAL
EFFT: X-RAY ; TREE
REPN: NRDL TR L8 45
SUJO: 3-221-000
TITL: SURFACE EFFECTS ON TRANSISTORS--RADIATION SUSCEPTIBILITY
OF HIGH
TREE: 310
EMITTER PERIPHERAL ARC LENGTH DEVICES (U), 27 P., (U)

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20347
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copy: 1 id: 53335-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20348
AUTH: SHIRASAWA T.H. ; SCHUERT E.A.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6807
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Fallout isotope
concentrations L1 SR-90
CS-137
REPN: NRDL TR L8 93
SUJO: 2-223-100
TITL: FALLOUT RADIOACTIVITY IN THE NORTH PACIFIC OCEAN--DATA
COMPILATION
OF SR-90 AND CS-137 CONCENTRATIONS IN SEAWATER (U), 38
P., (U)

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20348
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copy: 1 id: 53336-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20349
AUTH: PARKER W.J. ; CORLETT R.C. ; LEE B.T.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6807
DESC: Nuclear Weapon Effects structures aboveground cities L1
DESC: SIMULATION (LAB MODEL)
EFFT: MASS FIRE
REPN: NRDL TR 68 117
SHOT: FLAMBEAU
SUJO: 3-252-000
TITL: EXPERIMENTAL TEST OF MASS FIRE SCALING PRINCIPLES (U),
45 P., (U)

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copy: 1 id: 53337-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20378
ADNO: 847313
AUTH: SCHNEIDER M.F. ; AINSWORTH G.C.
CLSS: U
CORP: AIR FORCE WEAPONS LAB. (KIRTLAND AFB, N.M.)
DATE: 6812
DESC: test instruments biomedical L5
DESC: test instruments nuclear radiation gamma L1
DESC: EXPERIMENTAL
REPN: AFWL TR 68 24
SUJO: 4-341-000 ; 4-351-000
TITL: GAMMA RADIATION SOURCE CALIBRATION USING ACTIVE
SPACEFLIGHT
TISSUE-EQUIVALENT DOSIMETERS (U), 30 P., (U)
TREE: 651 ; 655

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 20379
ADNO: 844294
AUTH: MOBLEY T.S. ; DEFEO T.C.
CLSS: U
CORP: AIR FORCE WEAPONS LAB. (KIRTLAND AFB, N.M.)
DATE: 6810
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt L1
EFFT: GAMMA
REPN: AFWL TR 68 83
SUJO: 3-312-100
TITL: COBALT-60 GAMMA IRRADIATION OF SHEEP--CORRELATIONS OF
SIXTY-DAY
MEDIAN LETHAL DOSE STUDIES WITH SELECTED BIOCHEMICAL,
HEMATOLOGIC
AND PATHOLOGIC FINDINGS (U), 92 P., (U)

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copy: 1 id: 53364-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 20382
ADNO: 843922
AUTH: HAUVER R.C. ; WALKER W.J.JR.
CLSS: U

CORP: AIR FORCE WEAPONS LAB. (KIRTLAND AFB, N.M.)
DATE: 6810
DESC: ALSO IN MICROFICHE ; EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt L1
EFFT: NETURON ; GAMMA
REPN: AFWL TR 68 94
SUJO: 3-312-100
TITL: EFFECTS OF MILLISECOND VERSUS MICROSECOND PULSES OF
FISSION SPECTRUM
RADIATION ON SHEEP--LETHALITY STUDIES (U), 34 P., (U)

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copy: 1 id: 53365-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20398
AUTH: DAVIS L.W. ; BROWN J.A. ; STRIKE T.A.
CLSS: U
CORP: ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE (BETHESDA,
MD.)
DATE: 6809
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt L1
EFFT: NETURON ; GAMMA
REPN: AFRRI SR 68 19
SUJO: 3-312-100
TITL: EFFECTIVENESS OF DRUGS IN ANIMALS EXPOSED TO MIXED
GAMMA-NEUTRON
RADIATIONS; V. BARBITURATES (U), 20 P., (U)

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20398
.endblock

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copy: 1 id: 53379-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20400
AUTH: DAVIS L.W. ; BROWN J.A. ; STRIKE T.A.
CLSS: U
CORP: ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE (BETHESDA,
MD.)
DATE: 6809
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt L1
EFFT: NETURON ; GAMMA

REPN: AFRRI SR L8 20
SUJO: 3-312-100
TITL: EFFECTIVENESS OF DRUGS IN ANIMALS EXPOSED TO MIXED
GAMMA-NEUTRON
RADIATIONS; VI. PRESSOR DRUGS (U), 25 P., (U)

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copy: 1 id: 53381-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20407

AUTH: KAGNOFF M.F. ; KIVY-ROSENBERG E.

CLSS: U

CORP: ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE (BETHESDA,
MD.)

DATE: 6809

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Effects on animals ionizing radiation

prompt L1

EFFT: X-RAY

REPN: AFRRI SR 68 18

SUJO: 3-312-100

TITL: IN VITRO CONTRACTIONS OF RAT JEJUNUM FOLLOWING
WHOLE-BODY X
IRRADIATION AND EVALUATION BY PHARMACOLOGICAL AGENTS
(U), 29 P., (U)

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copy: 1 id: 53388-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20408

AUTH: VIERLING A.F. ; STRIKE T.A.

CLSS: U

CORP: ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE (BETHESDA,
MD.)

DATE: 6811

DESC: Nuclear Weapon Effects on animals ionizing radiation L1

DESC: EXPERIMENTAL

EFFT: X-RAY

REPN: AFRRI SR 68 21

SUJO: 3-312-000

TITL: PLASMA CALCIUM CONCENTRATION IN RATS DURING
POSTIRRADIATION DIURESIS
(U), 18 P., (U)

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.endblock
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copy: 1 id: 53389-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20409
AUTH: OKUNEWICK J.P. ; HARTLEY K.M. ; DARDEN J.H.
CLSS: U
CORP: ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE (BETHESDA,
MD.)
DATE: 6811
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt L1
EFFT: X-RAY
REPN: AFRRI SR 68 22
SUJO: 3-312-100
TITL: COMPARISON OF RADIATION SENSITIVITY, ENDOGENOUS COLONY
FORMATION AND
ERYTHROPOIETIN RESPONSE FOLLOWING PROLONGED HYPOXIA
EXPOSURE (U), 30
P., (U)

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20409
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copy: 1 id: 53390-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20410
AUTH: SKIDMORE W.D. ; MCHALE C.G.
CLSS: U
CORP: ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE (BETHESDA,
MD.)
DATE: 6811
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt L1
EFFT: NEUTRON ; GAMMA
REPN: AFRRI SR 68 23
SUJO: 3-312-100
TITL: EFFECT OF MIXED GAMMA-NEUTRON RADIATIONS ON THE
FLUORESCENCE OF RAT
SERUM AND URINE (U), 19 P., (U)

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20410
.endblock
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copy: 1 id: 53391-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20411
AUTH: PITCHFORD T.L.
CLSS: U
CORP: ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE (BETHESDA,
MD.)
DATE: 6811
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt L1
EFFT: NETURON ; GAMMA
REPN: AFRRI SR 68 24
SUJO: 3-312-100
TITL: BEAGLE INCAPACITATION AND SURVIVAL TIME AFTER PULSED
MIXED
GAMMA-NEUTRON IRRADIATION (U), 35 P., (U)

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20411
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copy: 1 id: 53392-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20426
AUTH: THORP J.W.
CLSS: U
CORP: ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE (BETHESDA,
MD.)
DATE: 6812
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt L1
DESC: EXPERIMENTAL
EFFT: NEUTRON ; GAMMA
REPN: AFRRI SR 68 26
SUJO: 3-312-100
TITL: HEAD SHIELDING PROTECTION FOR BEAGLES EXPOSED TO
SUPRALETHAL DOSES
OF PULSED MIXED GAMMA-NEUTRON RADIATIONS (U), 17 P., (U)

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20426
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copy: 1 id: 53407-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20448
AUTH: STRIKE T.A. ; SEIGNEUR L.J. ; STANLEY R.E.

CLSS: U
CORP: ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE (BETHESDA,
MD.)
DATE: 6804
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt L1
EFFT: NEUTRON ; GAMMA
REPN: AFRRI SR 68 6
SUJO: 3-312-100
TITL: ACUTE MORTALITY OF MICE AND RATS EXPOSED TO MIXED
GAMMA-NEUTRON
RADIATIONS OR TO X RAYS (U), 28 P., (U)

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copy: 1 id: 53425-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20572
CLSS: U
CORP: BROOKHAVEN NATIONAL LAB. (UPTON, N.Y.)
DATE: 6700
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic L1
DESC: SUMMARY
REPN: BNL 50058 (C 51)
SUJO: 3-312-200
TITL: RECOVERY AND REPAIR MECHANISMS IN RADIOBIOLOGY; REPORT
OF SYMPOSIUM
HELD JUNE 5-7, 1967 (U), 316 P., (U)

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20572

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copy: 1 id: 53526-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20596
AUTH: WISE D. ; TURBYFILL C.L.
CLSS: U
CORP: ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE (BETHESDA,
MD.)
DATE: 6806
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt L1
DESC: EXPERIMENTAL
EFFT: NEUTRON ; GAMMA
REPN: AFRRI SR68 17

SUJO: 3-312-100
TITL: ACUTE MORTALITY RESPONSE OF MONKEYS (MACACA MULATTA) TO
PULSED MIXED GAMMA-NEUTRON RADIATIONS (U), 23 P., (U)

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20596

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copy: 1 id: 53550-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20597
AUTH: RENE A.A. ; DARDEN J.H. ; BAUM S.J.
CLSS: U
CORP: ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE (BETHESDA,
MD.)
DATE: 6805
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals ionizing radiation

prompt L1

EFFT: NEUTRON ; GAMMA

REPN: AFRRI SR68 8

SUJO: 3-312-100

TITL: BONE MARROW CELLULARITY IN POSTIRRADIATED RATS (U), 28
P., (U)

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.endblock

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copy: 1 id: 53551-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20598
AUTH: STRIKE T.A. ; SEIGNEUR L.J.
CLSS: U
CORP: ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE (BETHESDA,
MD.)
DATE: 6804
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals ionizing radiation

prompt L1

EFFT: X-RAY

REPN: AFRRI SR68 7

SUJO: 3-312-100

TITL: ACUTE MORTALITY OF CHINCILLAS EXPOSED TO MIXED
GAMMA-NEUTRON
RADIATIONS OR 250 KVP X RAYS (U), 24 P., (U)

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.endblock

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copy: 1 id: 53552-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20609
AUTH: GIARDINI A.A. ; LAKNER J.F. ; STEPHENS D.R. ; STROMBERG
H.D.
CLSS: U
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6802
DESC: Environmental Conditions at Nuclear Weapon Test Site
geology L1
DESC: EXPERIMENTAL
SHOT: HARDHAT
TSHO: UG-CONTAINED
SUJO: 4-842-000
TITL: TRIAXIAL COMPRESSION DATA ON NUCLEAR EXPLOSION SHOCKED,
MECHANICALLY
SHOCKED, AND NORMAL GRANODIORITE FROM THE NEVADA TEST
SITE (U), 16
P., (U)

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copy: 1 id: 53563-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20649
AUTH: ZUBOV V.V. ; KHOKHRYAKOV V.F. ; TUTUROV Y.F.
CLSS: U
DATE: 6701
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors
vacuum tubes dielectrics relays switches L1 DIELECTRICS
DESC: THEORY EXPERIMENTAL
EFFT: TREE
SUJO: 3-229-000
TITL: EFFECT OF GAMMA-NEUTRON PULSE RADIATION OF PERMITTIVITY
OF
POLYMETHYLEMETHACRYLATE (U), 6 P., (U)
TREE: 385

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.endblock
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copy: 1 id: 53615-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 20652
AUTH: MEDVEDEV Y.A. ; STEPANOV B.M. ; FEDOROVICH G.V.
CLSS: U
DATE: 6703
DESC: THEORY
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse
EMP L1
EMPF: 223
TSHO: SURFACE
SUJO: 2-510-000
SYMJ: SOVIET PHYSICS -TECHNICAL PHYSICS; VOL. 14, NO. 5, P.
654, NOV. 1969
TITL: ELECTROMAGNETIC FIELD DUE TO AN ELEVATED POINT SOURCE OF
LONG-RANGE RADIATION IN AIR ABOVE A CONDUCTING PLANE (U), 3 P., (U)

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copy: 1 id: 53618-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20655
AUTH: KOZLOV S.I. ; KUDLMOV A.V.
CLSS: U
DATE: 6807
DESC: Nuclear Weapon Phenomenology ionization mechanisms
chemistry x-ray
L1
DESC: THEORY
TSHO: HI-ALT
SUJO: 2-312-400
TITL: COMPUTATION OF SPECTRAL DISTRIBUTION OF ABSORBED ENERGY
OF X RADIATION IN THE EARTH'S ATMOSPHERE (U), 7 P., (U)

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copy: 1 id: 53621-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 20663
AUTH: SULLIVAN W.H. ; PHILLIPS A.R. ; HORNING L.K.
CLSS: U
CCDE: CIRCUS
CORP: SANDIA LAB. (ALBUQUERQUE, N.M.)
DATE: 6806
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes

silicon-controlled rectifiers L1
 DESC: SIMULATION (COMPUTER) ; THEORY
 EFFT: NEUTRON
 REPN: SC RR 68 225
 SUJO: 3-221-000
 TITL: RADIATION EVALUATION OF THE EBERS-MOLL AND CHARGE
 CONTROL MODEL
 PARAMETERS OF SEVEN TRANSISTOR CODES (U), 152 P., (U)
 TREE: 250
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 20663
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 copy: 1 id: 53628-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 20759
 AUTH: LAPIN B.A.
 CLSS: U
 CORP: NATIONAL SCIENCE FOUNDATION (WASH., D.C.)
 DATE: 6700
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 prompt L1
 REPN: AEC TR 6713
 SUJO: 3-312-100
 TITL: PATHOGENESIS, CLINICAL TREATMENT AND THERAPY OF ACUTE
 RADIATION
 SICKNESS BASED ON EXPERIMENTS WITH MONKEYS (AN ALL-UNION
 SYMPOSIUM)
 (U), 44 P., (U)
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 20759
 .endblock
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 copy: 1 id: 53704-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 20801
 ADNO: 838296
 AUTH: COOLEY H.J.
 CLSS: U
 CONN: AF 29 (601) 5998
 CORP: NUCLEAR CORPORATION OF AMERICA (DENVER, N.J.)
 DATE: 6807
 DESC: test instruments nuclear radiation gamma L1 RADIAC
 DESC: THEORY TABULAR
 DESC: test instruments nuclear radiation beta electron beams
 L1
 REPN: AFWL TR 67 53

SUJO: 4-341-000 ; 4-344-000
TITL: DEVELOPMENT OF PORTABLE WIDE RANGE BETA-GAMMA SURVEY
INSTRUMENT (U),
34 P., (U)
TREE: 651 ; 654
.block
20801
.endblock
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copy: 1 id: 53745-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20834
AUTH: STREHLER B.L. ; NISHIMURA E.T. ; GEE M.V. ; SHOCK N.W.
CLSS: U
CORP: ATOMIC BOMB CASUALTY COMMISSION
DATE: 6704
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals ionizing radiation L1
REPN: ABCC TR 35 59
SHOT: NAGASAKI
TSHO: LOW-ALT
SUJO: 3-312-000
TITL: INFLUENCE OF A SINGLE EXPOSURE TO RADIATION ON
ACCUMULATION OF
LIPOFUSCIN (AGE PIGMENT) IN CARDIAC TISSUE IN ATOMIC
BOMB SURVIVORS
(U), 5 P., (U)

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20834
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copy: 1 id: 53771-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20835
AUTH: BEEBE G.W. ; YAMAMOTO T. ; MATSUMOTO Y.S. ; GOULD S.E.
CLSS: U
CORP: ATOMIC BOMB CASUALTY COMMISSION
DATE: 6700
DESC: SUMMARY
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic
external L1
REPN: ABCC TR 8 67
SUJO: 3-312-210
TITL: ABCC-JNIH PATHOLOGY STUDIES, HIROSHIMA AND NAGASAKI (U),
73 P., (U)
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20835

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copy: 1 id: 53772-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 20836
AUTH: MILTON R.C. ; SHOHOJI T.
CLSS: U
CORP: ATOMIC BOMB CASUALTY COMMISSION
DATE: 6801
DESC: Nuclear Weapon Environment Initial Gamma source strength
total
intensity L1
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt L5
REPN: ABCC TR 1 68
SHOT: HIROSHIMA ; NAGASAKI
TSHO: LOW-ALT
SUJO: 1-710-000 ; 3-312-100
TITL: TENTATIVE 1965 RADIATION DOSE ESTIMATION FOR ATOMIC BOMB
SURVIVORS
(U), 43 P., (U)

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20836
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copy: 1 id: 53773-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 21149
AUTH: LEONARD B.E.
CLSS: U
CORP: ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE (BETHESDA,
MD.)
DATE: 6812
DESC: THEORY
DESC: Simulation Facilities Techniques nuclear radiation
reactors isotopic
sources L1
REPN: AFRRRI SR 68 25
SUJO: 4-241-000
TITL: ANALYTICAL PULSE REACTOR MODEL WITH DELAYED NEUTRONS
(U), 72 P., (U)
TREE: 642

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21149
.endblock
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copy: 1 id: 53969-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 21186
AUTH: CORDWELL W.A.
CLSS: U
CCDE: PREDICT ; SCEPTRE
CORP: IBM CORP., FEDERAL SYSTEMS DIV. (OWEGO, N.Y.)
DATE: 6801
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors
vacuum tubes dielectrics relays switches L1 CAPACITOR
DESC: THEORY
EFFT: TREE
REPN: IBM 67 825 2127
SUJO: 3-229-000
TITL: USEFUL TECHNIQUES FOR ANALYZING CAPACITOR TRANSIENTS IN
A RADIATION
ENVIRONMENT (U), 4 P., (U)
TREE: 370

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21186
.endblock
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copy: 1 id: 53997-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 21193
AUTH: CONRAD E.E.
CLSS: U
CORP: HARRY DIAMOND LABS. (WASH. DC)
DATE: 6802
DESC: Nuclear Weapon Effects electronic pieceparts materials
basic
mechanisms L1 SI
DESC: Nuclear Weapon Effects electronic pieceparts solar cells
L1
DESC: SIMULATION (REACTOR) ; EXPERIMENTAL SURVEY
DESC: Nuclear RDT&E Research Program Descriptions electronic
vulnerability
L1
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers L1 TRANSISTOR
SUJO: 3-220-200 ; 3-221-000 ; 3-223-000 ; 4-170-000
TITL: BASIC MECHANISMS OF TRANSIENT RADIATION EFFECTS ON
ELECTRONICS (U),
40 P., (U)
TREE: 200
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21193

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copy: 1 id: 54002-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 21213
CLSS: U
CORP: ELECTRO PRODUCTS LABS., INC. (CHICAGO, IL.)
DATE: 6805
DESC: SIMULATION (CO 60) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts magnetic
devices L1
EFFT: GAMMA
SUJO: 3-225-000
TITL: EFFECT OF NUCLEAR RADIATION ON CERTAIN MAGNETIC PICKUPS
MANUFACTURED
BY ELECTRO PRODUCTS LABORATORIES, INC.; FINAL REPORT ON
PROJECT NO.
3-3-526 (U), 9 P., (U)
TREE: 368

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21213
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copy: 1 id: 54021-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 21217
AUTH: BEALL D.S.
CLSS: U
CORP: JOHNS HOPKINS UNIVERSITY, APPLIED PHYSICS LAB. (SILVER
SPRING, MD.)
DATE: 6707
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment radiation decay beta decay L1
REPN: NASA CR 90542 ; N68 11826 ; R 21 009 004
SHOT: STARFISH
TSHO: HI-ALT
SUJO: 2-223-430
TITL: ARTIFICIAL ELECTRON BELT, OCTOBER 1963 TO OCTOBER 1966
(U), 15 P.,
(U)

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21217
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copy: 1 id: 54024-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 21218
ADNO: 658741
AUTH: COOLEY H.J. ; RIGGIN F.C.
CLSS: U
CONN: N 228 (62479) 64869
CORP: NUCLEAR CORPORATION OF AMERICA (DENVER, N.J.)
DATE: 6706
DESC: EXPERIMENTAL
DESC: test instruments nuclear radiation neutron L1
REPN: NUCOR 031767 ; NRDL TRC 67 27
SUJO: 4-342-000
TITL: DEVELOPMENT OF A SEMIRAD DETECTION SYSTEM FOR HIGH
INTENSITY NEUTRON
RADIATION (U), 94 P., (U)

TREE: 652

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21218

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copy: 1 id: 54025-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 21568
AUTH: MINVIELLE L.J.
CLSS: C
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6701
DESC: Nuclear Warfare Postattack Recovery economy L1
DESC: TABULAR
DESC: Nuclear Weapon Effects structures aboveground L1
REPN: NRDL TR 67 38
SUJO: 3-254-000 ; 3-447-100
TEMP: A8958
TITL: EFFECTS OF EMERGENCY SHUTDOWN ON STEEL PLANTS (U), 89
P., (C)

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21568

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copy: 1 id: 54303-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 21949
AUTH: MCGEE J.J.
CLSS: U
CORP: DEFENSE ATOMIC SUPPORT AGENCY (WASH., DC)
DATE: 6800
DESC: SUMMARY
DESC: Nuclear RDT&E Research Program Descriptions electronic
vulnerability

L1
 SUJO: 4-170-000
 TITL: STANDARDIZED PROCEDURES FOR TRANSIENT RADIATION EFFECTS
 ON
 ELECTRONICS (TREE) MEASUREMENTS (U), 30 P., (U)
 TREE: 620
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 21949
 .endblock
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 copy: 1 id: 54594-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 21950
 AUTH: RAMSEY M.M. ; PRICE J.C. ; GILBERT A.R. ; BURGESS D.A.
 CLSS: U
 CORP: STANDARD TELECOMMUNICATION LABS. (HARLOW, UK)
 DATE: 6800
 DESC: SIMULATION (REACTOR FLASH X-RAY) ; EXPERIMENTAL
 DESC: Nuclear Weapon Effects electronic pieceparts integrated
 circuits L1
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors
 vacuum tubes dielectrics relays switches L1 RESISTORS
 THIN FILM
 CAPACITORS
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers L1 TRANSISTORS DIODE
 EFFT: TREE
 SUJO: 3-221-000 ; 3-222-000 ; 3-229-000
 TITL: SUMMARY OF WORK ON THEN FILM COMPONENTS AND MEDIUM TIME
 HISTORY OF
 RADIATION EFFECTS ON SEMICONDUCTORS (U), CA. 40 P., (U)
 TREE: 310 ; 320 ; 380 ; 370
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 21950
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 copy: 1 id: 54595-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 21951
 AUTH: PRITCHARD G.K.
 CLSS: U
 CCDE: SCEPTRE ; CIRCUS ; NET-1R ; TRAC ; STRAP ; GENERAL
 NETWORK ANALYSIS
 ; MISSAP III ; OKLAHOMA ANALYSIS PROGRAM ; PREDICT ; TAG
 CORP: AIR FORCE WEAPONS LAB. (KIRTLAND AFB, NM)
 DATE: 6800

DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits L1

PULSE ADDER CLOCK AMPLIFIER
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes

silicon-controlled rectifiers L1 TRANSISTOR
DESC: SIMULATION (LINAC FLASH X-RAY) ; THEORY EXPERIMENTAL
EFFT: TREE
SUJO: 3-221-000 ; 3-222-000
TITL: COMPUTER AIDED TRANSIENT RADIATION EFFECTS ON
ELECTRONICS ANALYSIS
(U), 35 P., (U)
TREE: 320 ; 310 ; 330

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21951

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copy: 1 id: 54596-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 21956
AUTH: WOUTERS L.F.
CLSS: U
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6800
DESC: Nuclear RDT&E Research Program Descriptions electronic
vulnerability
L1

DESC: SUMMARY
EMPF: 120 ; 430
SUJO: 4-170-000
TITL: DESIGN PRACTICES FOR EMP PROTECTION OF MILITARY SYSTEMS
(U), 34 P.,
(U)

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21956

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copy: 1 id: 54598-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 22130
AUTH: HEFT R.E. ; STEELE W.A.
CLSS: U
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA)
DATE: 6805
DESC: SUMMARY
DESC: test instruments nuclear radiation fallout debris
sampling
collectors L1

REPN: UCRL 50428
SUJO: 4-345-000
TITL: PROCEDURES FOR THE SYSTEMATIC SEPARATION AND ANALYSIS OF
RADIOACTIVE

PARTICLES FROM NUCLEAR DETONATIONS (U), 29 P., (U)

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22130

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copy: 1 id: 54647-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22339

ADNO: 657181

AUTH: MORLAND L.W.

CLSS: U

CONN: N 00014 67 A 0109 0003

CORP: UNIVERSITY OF CALIFORNIA, SAN DIEGO (LA JOLLA, CA)

DATE: 6707

DESC: Nuclear Weapon Effects structures aboveground models
plates slabs L1

DESC: THEORY

EFFT: X-RAY

SUJO: 3-259-300

TITL: GENERATION OF THERMOELASTIC STRESS WAVES BY IMPULSIVE
ELECTROMAGNETIC RADIATION (U), 16 P., (U)

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22339

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copy: 1 id: 54816-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22360

ADNO: 649288

AUTH: WONG P.W.

CLSS: U

CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)

DATE: 6701

DESC: TABULAR CODE

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

internal L1

REPN: NRDL TR 67 7

SHOT: INTERNAL DOSE (NRDL)

SUJO: 3-312-220

TITL: FORTRAN PROGRAM TO DETERMINE ABSORBED ORGAN DOSE DUE TO
INHALATION

OF RADIONUCLIDES (U), 115 P., (U)

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22360
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copy: 1 id: 54858-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 22366
ABS: The feasibility of partial-body shielding is discussed
from two points of view. The first assumes that limited clinical
and experimental data are extrapolable to the operational
situations of interest and that it is possible to selectively protect
against the neural, hemapoietic, and gastrointestinal components of
the acute radiation syndrome. Under this assumption, it would
appear that (a) neural syndrome symptomatology may be adequately
controlled by means of drugs, (b) the hemapoietic syndrome may be controlled
by a light-weight (under 10 lbs) lead epicondylar cuff, and
(c) in many operational situations the gastrointestinal syndrome may
be controlled by an abdominal shield sufficiently light in
weight to permit postattack personnel to efficiently perform their
tasks.
ABS: The second point of view discussed assumes that, at
present, there is not an adequate basis for selective syndrome
shielding, and that a metal shield covering all of the body from the hips to
the neck is the only adequate form of protection. Under this
assumption it would appear that weight limitations preclude the use of this
type of shield in most situations in which personnel must enter
the fallout field at specified times and remain until the completion
of their mission. However, in the case of personnel who are not
required to enter the field at any specified time and who may be
recalled after receiving a predetermined dose, trunk shields of
acceptable weights will significantly lower entry times and extend stay

times.

ABS: The use of a grid (sieve) trunk shield is discussed and
it appears that a shield of this type, of acceptable weight, may be
of benefit in many operational situations in which the solid shield
was not.

ADNO: 653459

AUTH: SHAPIRO E.S.

CLSS: U

CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)

DATE: 6704

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

external L1

DESC: THEORY

EFFT: GAMMA

REPN: NRDL TR 67 39

SUJO: 3-312-210

TITL: FEASIBILITY AND POTENTIAL EFFECTIVENESS OF PARTIAL-BODY
SHIELDING

FOR PERSONNEL PROTECTION AGAINST IONIZING RADIATION (U),

61 P., (U)

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22366

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copy: 1 id: 54863-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 22373

ABS: A method for calculating the dose rate above a beach
from

neutron-induced activity in the beach is presented. The
game rays

from the neutron-induced nuclides Na24, MN56, and al28
are

considered. The method can consider non-uniform Na, MN,
and al

content and neutron thermalization in a beach. Results
of

calculations using the method are presented for typical
cases.

AUTH: READ P.A.

CLSS: U

CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)

DATE: 6710

DESC: THEORY SUMMARY

DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra L1

DESC: Nuclear Warfare Theater operations scenarios battlefield
environment

L5
 REPN: NRDL TR 67 133
 SUJO: 2-223-200 ; 3-411-200
 TITL: NEUTRON-INDUCED ACTIVITY ON A BEACH; A METHOD FOR
 CALCULATING THE
 DOSE RATE (U), 31 P., (U)
 TNFF: 4860
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 22373
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 copy: 1 id: 54869-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 22374
 AUTH: PASCUAL J.N. ; FREILING E.C.
 CLSS: U
 CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)
 DATE: 6707
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Environment Fallout isotope
 concentrations L1
 DESC: Nuclear Weapon Environment fallout fractionation L1
 REPN: NRDL TR 67 116
 SHOT: SMALL BOY
 SUJO: 2-223-100 ; 2-223-500
 TITL: FRACTIONATION VERSUS PARTICLE TYPE IN NUCLEAR SURFACE
 SHOT SMALL
 BOY; DIFFERENCES IN RADIOCHEMICAL COMPOSITION BETWEEN
 FRITTED AND
 SPHEROIDAL PARTICLES (U), 22 P., (U)
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 22374
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 copy: 1 id: 54870-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 22439
 AUTH: KAWAHARA F.K. ; BUNNEY L.R. ; FREILING E.C. ; CROCKER
 G.R.
 CLSS: U
 CONN: AT (49 7) 1963
 CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)
 DATE: 6707
 DESC: Nuclear Weapon Environment fallout fractionation L1
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Environment radiation decay isotopic half
 lives L1
 REPN: NRDL TR 67 90

SHOT: DANNY BOY
TSHO: SURFACE
SUJO: 2-223-410 ; 2-223-500
TITL: FALLOUT FROM NUCLEAR CRATERING SHOT DANNY BOY; 1,
RADIOCHEMICAL
ANALYSIS AND SOME PHYSICAL OBSERVATIONS ON SELECTED
SAMPLES (U), 44
P., (U)

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22439

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copy: 1 id: 54931-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 22447
AUTH: HEMMENDINGER A. ; DIVEN B.C. ; BROWN W.K. ; ELLIS A. ;
FURNISH A. ;
SHUNK E.R. ; FULLWOOD R.R.

CLSS: U

CORP: LOS ALAMOS SCIENTIFIC LAB. (LOS ALAMOS, NM)

DATE: 6806

DESC: Nuclear Energy Peaceful Applications basic physical
measurements

nuclear cross sections L1

DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear

radiation transport L1

DESC: THEORY EXPERIMENTAL

DESC: test instruments nuclear radiation neutron L1

REPN: LA 3478 PT. 1

SHOT: PETREL

TSHO: UG-CONTAINED

SUJO: 3-486-000 ; 4-140-000 ; 4-342-000

TITL: TIME-OF-FLIGHT NEUTRON CROSS-SECTION MEASUREMENTS MADE
WITH NEUTRONS

FROM NUCLEAR EXPLOSIONS (U), 26 P., (U)

TREE: 652

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22447

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copy: 1 id: 54972-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 22449

AUTH: MARTIN S.B. ; RENNER R.H. ; JONES R.E.

CLSS: U

CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)

DATE: 6703

DESC: Nuclear Weapon Effects materials wood paper cellulose
films L1
DESC: SUMMARY
DESC: Nuclear Weapon Effects structures aboveground components
L1
EFFT: THERMAL ; FIRE
REPN: NRDL TR 67 63
SUJO: 3-246-000 ; 3-251-100
TITL: FUNDAMENTAL PROCESSES OF IGNITION AND COMBUSTION
RELATING TO FIRES
CAUSED BY NUCLEAR DETONATIONS (U), 53 P., (U)

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22449

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copy: 1 id: 54973-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 22479

AUTH: KIMLINGER J. ; PLECHATY E.F.

CLSS: U

CCDE: SORS (LLL MONTE CARLO NEUTRON TRSNSPORT)

CORP: LAWRENCE LIVERMORE LAB. (LIVERMORE, CA)

DATE: 6810

DESC: THEORY CODE

DESC: Radiation Transport neutron L1

REPN: UCRL 50532

SUJO: 9-650-000

TITL: SORS MONTE CARLO NEUTRON-TRANSPORT CODE FOR THE CDC-6600
(U), 29 P.,

(U)

TREE: 970

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22479

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copy: 1 id: 55001-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 22521

AUTH: PHILLIPS A.R.

CLSS: U

CORP: SANDIA LAB. (ALBUQUERQUE, NM)

DATE: 6712

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes

silicon-controlled rectifiers L1

EFFT: TREE

REPN: SC RR 67 899

SUJO: 3-221-000
TITL: RADIATION EVALUATION OF THE G657138 AND HR3032
TRANSISTORS (U), 78
P., (U)

TREE: 310

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22521

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copy: 1 id: 55044-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 22561

AUTH: MCCLELLAN R.O. ; RUPPRECHT F.C.

CLSS: U

CONN: AT (29 2) 1013

CORP: LOVELACE FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH
(ALBUQUERQUE,

NM)

DATE: 6711

DESC: Nuclear RDT&E Research Program Descriptions biomedical

L1

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

internal L1

REPN: LF 38

SUJO: 3-312-220 ; 4-150-000

TITL: FISSION PRODUCT INHALATION PROGRAM ANNUAL REPORT
1966-1967 (U), 168

P., (U)

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22561

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copy: 1 id: 55082-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 22562

AUTH: MCCLELLAN R.O. ; RUPPRECHT F.C.

CLSS: U

CONN: AT (29 2) 1013

CORP: LOVELACE FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH
(ALBUQUERQUE,

NM)

DATE: 6811

DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic

internal L1

DESC: Nuclear RDT&E Research Program Descriptions biomedical

L1
 DESC: EXPERIMENTAL SURVEY
 REPN: LF 39
 SUJO: 3-312-220 ; 4-150-000
 TITL: FISSION PRODUCT INHALATION PROGRAM ANNUAL REPORT
 1967-1968 (U), 263
 P., (U)

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 22562
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 copy: 1 id: 55083-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

INUM: 22634
 CLSS: U
 CORP: DEPT. OF HEALTH, EDUCATION AND WELFARE (WASH., DC)
 DATE: 6810
 DESC: Nuclear Weapon Environment Fallout isotope
 concentrations L1
 DESC: Nuclear Weapon Effects on plants ionizing radiation
 chronic uptake
 L1
 DESC: Nuclear Energy Power Nuclear Materials site radiation
 safety L1
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 chronic
 internal L1
 SUJO: 2-223-100 ; 3-312-220 ; 3-332-220 ; 3-540-000
 TITL: RADIOLOGICAL HEALTH DATA AND REPORTS; VOL. 9, NO. 10
 (U), 92 P., (U)

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 22634
 .endblock

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 copy: 1 id: 55145-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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INUM: 22705
 AUTH: MURPHY H.M.
 CLSS: U
 CORP: AIR FORCE WEAPONS LAB. (KIRTLAND AFB, NM)
 DATE: 6709
 DESC: test instruments biomedical L1
 DESC: test instruments nuclear radiation neutron L1
 DESC: SUMMARY
 DESC: test instruments nuclear radiation gamma L1
 REPN: AFWL TR 66 111
 SUJO: 4-341-000 ; 4-342-000 ; 4-351-000

TITL: SUMMARY OF NEUTRON AND GAMMA DOSIMETRY TECHNIQUES (U),
 120 P., (U)
 TREE: 651 ; 652
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 22705
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 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: 22814
 AUTH: PESTANER J.F. ; LOVE D.L.
 CLSS: U
 CONN: AT (49 7) 2886
 CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)
 DATE: 6704
 DESC: Simulation Facilities Techniques nuclear radiation
 fallout
 simulation L1 UW FISSION PRODUCT PRODUCTION
 DESC: THEORY EXPERIMENTAL
 REPN: NRDL TR 67 45
 TSHO: UW
 SUJO: 4-242-000
 TITL: PULSED REACTOR SIMULATION OF UNDERWATER NUCLEAR
 EXPLOSIONS (U), 23
 P., (U)
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 22814
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 copy: 1 id: 55385-1001 library: DOCUMENT price: \$.00
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 created: 12/27/1991 type: REPORT permanent
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 INUM: 23086
 CLSS: U
 CONN: DAAG 39 68 C 0024
 CORP: GENERAL ELECTRIC CO., SPECIAL FLUIDICS OPERATION
 RESEARCH AND
 DEVELOPMENT CENTER (SCHENECTADY, NY)
 DATE: 6812
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Effects electrical mechanical fluidic
 devices L1
 HARDENING
 EFFT: TREE
 REPN: S 69 1061
 SUJO: 3-234-000
 TITL: FLUIDIC HARDWARE FOR RADIATION TEST (U), 101 P., (U)
 TREE: 350
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23086
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copy: 1 id: 55628-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 23376-F
AUTH: CHERRY J.T.
CLSS: SRD
CCDE: TENSOR ; SOC
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA)
DATE: 6711
DESC: Nuclear Weapon Environment Ground Shock cavities
subsidence collapse
L1
SHOT: HARDHAT ; SCOOTER ; DANNY BOY ; SULKY
TSHO: UG-VENTED
SUJO: 2-627-000
SYMJ: PROCEEDINGS OF THE SYMPOSIUM ON NUCLEAR CRATERS AND
EJECTA; VOL. 1
TITL: COMPUTER CALCULATIONS OF EXPLOSION-PRODUCED CRATERS (U),
49 P.,
(SRD)

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23376-F
.endblock

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copy: 1 id: 55875-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 23377-M
AUTH: HEUBSCH I.O.
CLSS: SRD
CORP: NAVAL RADIOLOGICAL DEFENSE LAB.
DATE: 6711
DESC: Nuclear Weapon Environment dust moisture injection
atmosphere L1
EFFECT ON CLOUD RISE
SUJO: 2-222-400
SYMJ: PROCEEDINGS OF THE SYMPOSIUM ON NUCLEAR CRATERS AND
EJECTA; VOL. 2
TITL: EARLY CLOUD CIRCULATION AND STEM FORMATION BY FALLOUT
(U), 17 P.,
(SRD)

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23377-M
.endblock

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copy: 1 id: 55882-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 24038
AUTH: OVSHINSKY S.R. ; EVANS E.J. ; NELSON D.L. ; FRITZSCHE H.
CLSS: U
CORP: ENERGY CONVERSION DEVICES, INC. (TROY, MI)
DATE: 6800
DESC: SIMULATION (FLASH X-RAY REACTOR) ; EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors

vacuum tubes dielectrics relays switches L1 OVONIC

DEVICES

EFFT: TREE
SUJO: 3-229-000
TITL: RADIATION HARDNESS OF OVONIC DEVICES (U), 29 P., (U)
TREE: 388

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24038

.endblock

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copy: 1 id: 56375-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 24897
ABS: The U.S. Naval radiological defense laboratory prepared
in 1954 a staff study that developed a method for calculating
neutron and gamma dose to crew members near a one-point detonation
of a nuclear weapon stowed aboard a Navy ship. Recently, the
laboratory was requested to re-examine this question based on changes
which have occurred since 1954 both in weapons design and in weapon
storage and handling procedures.

AUTH: SHNIDER R.W.
CLSS: SRD
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)
DATE: 6712
DESC: Nuclear weapon safety radiological L1 HAZARD DUE
ONE-POINT

DETONATION
REPN: NRDL LR 67 102A
SUJO: 4-838-100
TEMP: B3145
TITL: EVALUATION OF SAFETY CRITERIA FOR NUCLEAR WARHEADS
ABOARD SHIP (U),
9 P., (SRD)
TNFF: 8859 ; 8883

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.endblock
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  copy: 1   id: 57023-1001       library: DOCUMENT   price: $.00
  cat1:   cat2:   home: STACKS   current: STACKS
  created: 12/27/1991   type: REPORT   permanent
.endblock

INUM:      25007
ABS:       ECONOMICS; FALLOUT; MATHEMATICS; MOCKUP; NUCLEAR
EXPLOSIONS;
RADIATION PROTECTION; SHOCK WAVES
AUTH:      UHER R.A.
CLSS:      U
CONN:      W 7405 ENG 26
CORP:      OAK RIDGE NATIONAL LAB. (OAK RIDGE, TN)
DATE:      6802
DESC:      THEORY
DESC:      Nuclear Warfare Strategic defense area ABM BMD L1
REPN:      ORNL TM 2041
SUJO:      3-424-100
TITL:      DEFENSE SYSTEM DESIGN MODEL (U), 27 P., (U)
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  copy: 1   id: 57117-1001       library: DOCUMENT   price: $.00
  cat1:   cat2:   home: STACKS   current: STACKS
  created: 12/27/1991   type: REPORT   permanent
.endblock

INUM:      25445
AUTH:      SHNIDER R.W.
CLSS:      C
CORP:      NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)
DATE:      6707
DESC:      SIMULATION (PHOTO FLASH)
DESC:      Nuclear Weapon Effects on animals thermal ocular effects
L1
REPN:      NRDL LR 67 52
SUJO:      3-313-200
TEMP:      B3107
TITL:      ESTIMATED CRITERIA FOR FLASH BLINDNESS (U), 2 P., (C)
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  25445
.endblock
.block
  copy: 1   id: 57435-1001       library: DOCUMENT   price: $.00
  cat1:   cat2:   home: STACKS   current: STACKS
  created: 12/27/1991   type: REPORT   permanent
.endblock

INUM:      25744

```

AUTH: INSTON H.H. ; CURTIS A.R. ; JARVIS J.W.
CLSS: U
CORP: ATOMIC WEAPONS RESEARCH ESTABLISHMENT (ALDERMASTON
BERKS, UK)
DATE: 6701
DESC: THEORY
DESC: Nuclear Weapon Environment Induced Electromagnetic Pulse
EMP L1
EMPF: 251 ; 240 ; 222
REPN: AWRE O 94/66
TSHO: LOW-ALT
SUJO: 2-510-000
TITL: COMPUTATION OF THE ELECTRIC FIELD SET UP IN AIR BY
INTENSE GAMMA OR
X RADIATION (U), 38 P., (U)

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25744

.endblock

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copy: 1 id: 57644-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 27464
AUTH: COOLICAN J.
CLSS: U
CORP: GENERAL ELECTRIC AEROSPACE ELECTRONICS DEPT. (UTICA, NY)
DATE: 6707
DESC: Nuclear Weapon Effects on animals RF microwave L1
DESC: TABULAR
DESC: Nuclear Weapon Effects on animals ionizing radiation L1
EMPF: 500
REPN: RM 67 EML 7
SUJO: 3-312-000 ; 3-314-000
TITL: ELECTROMAGNETIC AND X-RAY RADIATION HAZARDS (U), 29 P.,
(U)

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27464

.endblock

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copy: 1 id: 58925-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 29419
AUTH: ALEXANDER T.A. ; SHNIDER R.W.
CLSS: SRD
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)
DATE: 6704
DESC: SUMMARY
DESC: Nuclear Weapon Effects on animals thermal burns heating
L1

DESC: Nuclear Weapon Effects flight systems airplanes crew L1
EFFT: THERMAL
REPN: NRDL LR 67 22
SUJO: 3-111-500 ; 3-313-100
TEMP: B7729
TITL: THERMAL RADIATION HAZARD TO PILOTS AND AIRCREWMEN (U),
10 P., (U)

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29419

.endblock

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copy: 1 id: 60425-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 30111
AUTH: WALDRON E.T. ; PARK A.F. ; SHRAGER H. ; KOZA W.
CLSS: U
CORP: ARMY NATICK LABS. (NATICK, MA)
DATE: 6709
DESC: thermal protection L1
DESC: EXPERIMENTAL
REPN: ANL TR 68 24 CM
SUJO: 9-870-000
TITL: FIBER 6--A THERMAL RADIATION PROTECTIVE FABRIC (U), 24
P., (U)

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30111

.endblock

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copy: 1 id: 60900-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: 30112
AUTH: WALDRON E.T. ; SHRAGER H.
CLSS: U
CORP: ARMY NATICK LABS. (NATICK, MA)
DATE: 6809
DESC: EXPERIMENTAL
DESC: thermal protection L1
REPN: ANL TR 69 39 CM ; TS 160
SUJO: 9-870-000
TITL: EFFECTIVENESS OF A NIMBUS FABRIC IN ATTENUATING THERMAL
RADIATION
(U), 12 P., (U)

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30112

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copy: 1 id: 60901-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 30113
ADNO: 813202L
AUTH: MASKELL R.F.
CLSS: U
CONN: DA 28 043 AMC 02402(E)
CORP: CANADIAN ADMIRAL CORPORATION, LTD. (ONTARIO, CANADA)
DATE: 6703
DESC: EXPERIMENTAL
DESC: test instruments nuclear radiation dosimeters radiacs L1
REPN: ECOM 02402(E) 4 ; ECOM 02402 1
SUJO: 4-346-000
TITL: DEVELOPMENT AND TESTING OF CALIBRATOR SET, RADIAC
AN/UDM-2 (U), 20
P., (U)
TREE: 655

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30113

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copy: 1 id: 60902-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 30211
ADNO: 399 097L
CLSS: SRD
CORP: ARMY COMBAT DEVELOPMENTS COMMAND,
CHEMICAL-BIOLOGICAL-RADIOLOGICAL
AGENCY (FT. MCCLELLAN, AL)
DATE: 6706
DESC: SRUVEY
DESC: Biological Warfare L1
DESC: Chemical Warfare L1
SUJO: 3-860-000 ; 3-880-000
TEMP: B9908
TITL: TACTICAL CHEMICAL-BIOLOGICAL OPERATIONS STUDY; ADDENDUM
STUDY
PROJECT MANDRAKE ROOT; VOL. 1, MAIN REPORT--ANNEX A (U),
CA. 650 P.,
(SRD)

TNFF: 4600

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30211

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copy: 1 id: 60970-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 30212
ADNO: 399098L
CLSS: SRD
CORP: ARMY COMBAT DEVELOPMENTS COMMAND,
CHEMICAL-BIOLOGICAL-RADIOLOGICAL
AGENCY (FT. MCCLELLAN, AL)
DATE: 6706
DESC: Chemical Warfare L1
DESC: Biological Warfare L1
DESC: TABULAR SURVEY
SUJO: 3-860-000 ; 3-880-000
TEMP: B9907
TITL: TACTICAL CHEMICAL-BIOLOGICAL OPERATIONS STUDY; ADDENDUM
STUDY
PROJECT MANDRAKE ROOT; VOL. 2, ANNEXES B THROUGH E (U),
707 P.,
(SRD)
TNFF: 4910 ; 4600 ; 4610
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30212
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copy: 1 id: 60971-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 30213
ADNO: 399099L
CLSS: SRD
CORP: ARMY COMBAT DEVELOPMENTS COMMAND,
CHEMICAL-BIOLOGICAL-RADIOLOGICAL
AGENCY (FT. MCCLELLAN, AL)
DATE: 6706
DESC: Chemical Warfare L1
DESC: SURVEY
SUJO: 3-880-000
TEMP: B9906
TITL: TACTICAL CHEMICAL-BIOLOGICAL OPERATIONS STUDY; ADDENDUM
STUDY
PROJECT MANDRAKE ROOT; VOL. 3, ANNEXES F THROUGH H (U),
434 P.,
(SRD)
TNFF: 4600 ; 4910 ; 4940
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30213
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copy: 1 id: 60972-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 30575

ABS: The continued survival of persons emerging from shelter following a contaminating nuclear attack depends on their capability to plan and carry out a sustained recovery effort. Because the presence of fallout could cause unacceptable delays in initiating such an effort, decontamination becomes a critical part of postattack recovery plans and operations. For this reason, SRI's current recovery model development program includes the requirement for a decontamination and dose control (D/DC) model system. The stated objective of this research is to develop a set of D/DC models (including the required mathematical descriptions) that are capable of estimating the cost and effectiveness of large-scale radiological recovery operations in the postattack period.

ABS: This first report describes the concept of the D/DC models in terms of the inputs, outputs, and internal functions involved and orients the D/DC models with respect to the principal components of the recovery model system.

ADNO: 673199
AUTH: OWEN W.L.
CLSS: U
CONN: N 0028 67 C 2033
CORP: STANFORD RESEARCH INSTITUTE (MENLO PARK, CA)
DATE: 6802
DESC: Nuclear Warfare Postattack Recovery decontamination L1
DESC: TABULAR
REPN: NRDL TRC 68 21
SUJO: 3-448-900
TITL: DECONTAMINATION AND DOSE CONTROL MODELS--OPERATIONAL CONCEPTS AND ESSENTIAL DESIGN ELEMENTS (U), 28 P., (U)

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copy: 1 id: 61278-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 30576
ABS: Previous investigations on the analysis, planning, and

scheduling of
identified many
several of
expressions
for
total exposure
facility
decontamination
simplify
decontamination
prescribed
postattack routine.

ABS: A technique is devised for relating the size of
decontamination
organizations to the dimensions of the area to be
decontaminated and
the surviving populations in urban areas. The final
problem explored
is the effect of increased size (and number) of
decontamination
crews on the decontamination completion time.

ADNO: 684934

AUTH: LEE H. ; OWEN W.L. ; MILLER C.F.

CLSS: U

CONN: N 00228 66 C 0231

CORP: STANFORD RESEARCH INSTITUTE (MENLO PARK, CA)

DATE: 6806

DESC: Nuclear Warfare Postattack Recovery decontamination L1

DESC: THEORY SURVEY

REPN: SRI PROJ MU 5806

SUJO: 3-448-900

TITL: GENERAL ANALYSIS OF RADIOLOGICAL RECOVERY CAPABILITIES

(U), 156 P.,

(U)

TNFF: 6220

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copy: 1 id: 61279-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 30933
ADNO: 663469
AUTH: FOGET C.R. ; WILLSON A. ; VAN HORN W.H.
CLSS: U
CONN: N 228 (62479) 70307
CORP: URS CORP. (BURLINGAME, CA)
DATE: 6706
DESC: Civil Defense shelters L1
REPN: URS 664 5
SUJO: 3-474-000
TITL: USEFULNESS OF EXPOSURE CONTROL COUNTERMEASURES IN
REDUCING RADIATION
FATALITIES (U), 127 P., (U)

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30933

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copy: 1 id: 61615-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 30943
ABS: This report covers a field study conducted by the
sanitary sciences
laboratory of the U.S. Army engineer research and
development
laboratories at the Nevada Test Site during the summer
of 1962. The
purpose of the investigation was to study the following:
(A) The solubility of radioactive debris in water. (b) field
methods of determining the concentration of radioactive materials
in water. (C)
field expedient methods for removing radioactive
materials from
water. (D) a squad-type, universal method for removal of
chemical,
biological, and radiological agents from water. The
results of this
study indicate that: (A) The solubility of radioactive
debris in
water increases with a decrease in pH and an increase in
temperature, but the change is not significant in the
range of pH
and temperature variations of normal drinking water
supplies.
ABS: (B) The solubility of radioactive debris in water is not
markedly
affected by contact time. Increases in solubility with
time are
offset by decreases in contamination resulting from
radioactive

decay. (C) the solubility of radioactive debris in water may be significant enough to require demineralization to produce water safe for drinking. (D) radioactive debris from surface detonations can be colloidal and remain in suspension in water for extended periods of time and be readily transported to downstream water sources. (E) field expedient water purification methods such as filtration through clay, paper, cellulose pads, and molded filter candles; and batch coagulation and filtration can effectively accomplish radioactivity removals of about 75 percent or more. Higher removals of activity approaching 100 percent are obtainable by ion exchange demineralization following filtration.

ABS: (F) the standard military IM-141/PDR-27J Radiacmeter and the civil defense CDV-700 meter can be used satisfactorily in the field to determine the radioactivity content of water at levels higher than 1,000,000 picocuries per liter.

ADNO: 656930

AUTH: LINDSTEN D.C. ; PRESSMAN M.

CLSS: U

CORP: ARMY ENGINEER RESEARCH AND DEVELOPMENT LABS. (FT. BELVOIR, VA)

DATE: 6707

DESC: Nuclear Warfare Postattack Recovery decontamination L1

REPN: AERDL 1904

TSHO: SURFACE

SUJO: 3-448-900

TITL: FIELD EXPEDIENTS FOR DECONTAMINATING WATER CONTAINING NUCLEAR BOMB

DEBRIS (U), 48 P., (U)

TNFF: 6290

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copy: 1 id: 61625-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: 31004

ADNO: 658043

AUTH: FRENCH R.L. ; TOMPKINS K.W. ; GARRETT C.W.

CLSS: U
CONN: DA 49 146 XZ 479
CORP: ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE (BETHESDA,
MD)
DATE: 6702
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic external L1
DESC: EXPERIMENTAL
REPN: AFRRI CR67 1 ; RRA T71
SUJO: 3-312-210
TITL: CALCULATED GAMMA-RAY DOSE DISTRIBUTIONS IN A PHANTOM
EXPOSED TO FALLOUT AND SIMULATED FALLOUT (U), 75 P., (U)

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31004

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copy: 1 id: 61681-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: 31528

ABS: Appendix H to the staff user operating procedures manual
details the procedures for the preparation of TOS input messages of
the chemical, biological, and radiological staff element.
Sample input and associated output messages facilitate the use of the
procedures.
Partial lists of authorized terms of the TOS user
language codes are shown on the worksheet and complete glossaries of terms
are included for each functional area.

ADNO: 860988L

AUTH: ALLEN D.O. ; PEARSON B.E. ; NEWMAN D.W.

CLSS: U

CONN: DA 36 039 AMC 0054 (Y)

CORP: BUNKER RAMO CORP. (NEW YORK, NY)

DATE: 6806

DESC: Nuclear Warfare Theater C3I L1

DESC: Nuclear Warfare Theater integrated battlefield L1 STAFF
ELEMENT

MESSAGE PREPARATION

DESC: TABULAR

REPN: 01 02 1010

SUJO: 3-412-200 ; 3-415-000

TITL: TACTICAL OPERATIONS SYSTEM STAFF USER OPERATING
PROCEDURES; APPENDIX
H, CBR ELEMENT (U), 492 P., (U)

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31528
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copy: 1 id: 62199-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 32742
ABS: The results of the investigation of laser radiation
weapons and their use in defense against ballistic missiles and
satellites are
presented.
ADNO: 382330L
AUTH: GRAHAM G.A.R. ; ACHESON L.K. JR. ; SOOY W.R.
CLSS: S
CONN: AF 29(601) 7051
CORP: AIR FORCE WEAPONS LAB. (KIRTLAND AFB, NM)
DATE: 6706
DESC: THEORY
DESC: Directed Energy Weapons Lasers Applications BMD
anti-missile L1
REPN: AFWL TR 66 133 V.2
SUJO: 3-616-200
TEMP: C2443 V.2
TITL: HIGH ENERGY LASER SYSTEMS ANALYSIS, VOL. 2, TASK 1 AND
4 (U), 110
P., (S)

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32742
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copy: 1 id: 63378-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 33485
ABS: A great deal of fallout reclamation-performers data has
been
generated over the past decade that is useful to
planners of
radiological recovery operations. Because it was
contained in a
variety of reports and documents prepared by different
agencies,
this material was neither convenient to civil defense
planners nor
was it always available in a useable form. As a first
step toward
correcting the situation, Volume I presented a tabular
data
compilation summarizing the performance of land

reclamation methods
and equipment. The tabled entries were gathered from 18
different experiments and field operations. They include those
operational and environmental factors known to influence reclamation
effectiveness.

Volume II (contained herein) is devoted to the
evaluation and reorganization of the above compilation into a form
compatible with the preplanning of radiological recovery operations.

ABS: The results are tabulated so as to show the response of
various reclamation methods performance to such parameters as
rate of coverage, effort expended, climatic conditions, surface
characteristics and fallout properties.

ADNO: 674863
AUTH: OWEN W.L. ; COBBIN W.C. ; SHELBERG W.E.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA)
DATE: 6809
DESC: Nuclear Warfare Postattack Recovery decontamination L1
DESC: SURVEY
REPN: NRDL TR 68 71 V.2
SUJO: 3-448-900
TITL: RADIOLOGICAL RECLAMATION PERFORMANCE SUMMARY, VOL. 2,
EVALUATION AND
CONDENSATION OF DATA FOR PREPLANNING OF RECOVERY
OPERATIONS (U), 86
P., (U)

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33485
.endblock
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copy: 1 id: 64181-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: 33956
ABS: This manual contains information about decontaminants,
decontaminating equipment, and decontamination methods.
The material presented in this manual is applicable to both nuclear
and nonnuclear warfare and peacetime operations.

CLSS: U
CORP: ARMY (WASH., DC)
DATE: 6711
DESC: EM-1 ; HANDBOOK
DESC: Nuclear Warfare Postattack Recovery decontamination L1
REPN: TM 3 220

SUJO: 3-448-900
 TITL: CHEMICAL, BIOLOGICAL, AND RADIOLOGICAL (CBR)
 DECONTAMINATION,
 TECHNICAL MANUAL (U), 115 P., (U)
 TNFF: 6220
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 33956
 .endblock
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 copy: 1 id: 64655-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: 33988
 ABS: This manual provides guidance for the collection and
 processing of
 nuclear burst and radiological contamination information
 and the use
 of radiological contamination intelligence at all levels
 of command
 for the field forces. It provides doctrine, procedures,
 and
 techniques for nuclear burst reporting, radiological
 monitoring,
 radiological survey, processing radiological
 contamination
 information, residual radiation calculations, and
 radiation exposure
 and dosimetry considerations; it also describes the
 communications
 channels for the flow of unit radiation exposure status
 information.
 It provides guidance for the radiological operations of
 a tactical
 operations center (TOC) of the division or comparable
 operations
 center of other commands.
 CLSS: U
 CORP: ARMY, DEPARTMENT OF ; NAVY, DEPARTMENT OF
 DATE: 6808
 DESC: Nuclear Weapon Environment fallout intensity contours
 patterns L1
 DESC: EM-1 ; HANDBOOK
 DESC: Nuclear Warfare Postattack Recovery decontamination L1
 DESC: Nuclear Warfare Theater integrated battlefield NBC
 protection L1
 DESC: nuclear test detection bomb alarm display systems L5
 REPN: FM 3 12 ; FM FM 11 5
 SUJO: 2-225-100 ; 3-415-700 ; 3-448-900 ; 4-920-000
 TITL: OPERATIONAL ASPECTS OF RADIOLOGICAL DEFENSE (U), CA. 150
 P., (U)
 TNFF: 6220
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33988
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copy: 1 id: 64686-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: 40084
ABS: Photo plans for the AEC cameras on the Fishbowl series.
CLSS: U
CORP: EG+G, Inc.
DATE: 6810
DESC: Nuclear Test Simulation Field Programs experiment design
optical
radiation experiments UV visible IR L1
SHOT: STARFISH ; CHECKMATE ; KINGFISH
TSHO: HI-ALT
SUJO: 4-820-600
TITL: EG&G, Inc. Combined Photographic Data Information
Dominic High
Altitude Series (U), 32 P., (U)

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40084
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copy: 1 id: 71266-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: CEX 62.12
AUTH: THORNGATE J.H. ; AUXIER J.A. ; HAYWOOD F.F. ; HELF S.
CLSS: U
CORP: OAK RIDGE NATIONAL LAB. (OAK RIDGE, TN.)
DATE: 6702
DESC: Radiation Transport gamma L1
DESC: SIMULATION (REACTOR) BREN ; EXPERIMENTAL
DESC: Radiation Transport neutron L1
REPN: CEX 62.12
SUJO: 9-620-000 ; 9-650-000
TITL: ENERGY AND ANGULAR DISTRIBUTION OF NEUTRONS AND GAMMA
RAYS--OPERATION BREN (U), 91 P., (U)

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CEX 62.12
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copy: 1 id: 72751-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: DASA 12
AUTH: DYE D.L. ; CALDWELL R.S. ; WICKLEIN H.W. ; DICKHAUT R.H.

; ROSENBERG
 C. ; FERRY J.M. ; BUTTS W.E.
 CLSS: U
 CONN: DA 49 146 XZ 522
 CORP: BOEING COMPANY (SEATTLE-WASHINGTON)
 DATE: 6706
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers
 DESC: Simulation Facilities Techniques TREE
 DESC: test instruments nuclear radiation neutron
 DESC: test instruments nuclear radiation gamma
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors
 vacuum tubes dielectrics relays switches
 DESC: test instruments nuclear radiation fallout debris
 sampling
 collectors
 DESC: Nuclear RDT&E Research Program Descriptions electronic
 vulnerability
 DESC: HANDBOOK
 REPN: DASA 0627 1 2 ; D 2 125315 2
 SUJO: 3-221-000 ; 3-229-000 ; 4-170-000 ; 4-272-000 ;
 4-341-000 ;
 4-342-000 ; 4-345-000
 TITL: STANDARDIZATION OF DATA FOR TRANSIENT RADIATION EFFECTS
 ON
 ELECTRONIC SYSTEMS (TREES), PART 2 TECHNICAL DISCUSSIONS
 TO SUPPORT
 RECOMMENDATIONS, FINAL REPORT(U), 196 P (U)
 TREE: 620
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 DASA 12
 .endblock
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 copy: 1 id: 74075-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: DASA 0627 2
 AUTH: BOCZAR P.G. ; BOYD G.E. ; FRANKOVSKY F.A. ; MARTIN J.A.
 ; SULLIVAN
 D.C. ; TIETZE F.C. ; BURNETT T.L.
 CLSS: U
 CONN: DA 49 146 XZ 520
 CORP: IBM/ELECTRONICS SYSTEMS CENTER (OWEGO-NEW YORK)
 DATE: 6708
 DESC: test instruments nuclear radiation dosimeters radiacs
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors
 vacuum tubes dielectrics relays switches
 DESC: test instruments nuclear radiation gamma
 DESC: Nuclear Weapon Effects electronic pieceparts transistors

diodes

silicon-controlled rectifiers

DESC: THEORY HANDBOOK

DESC: test instruments nuclear radiation neutron

DESC: Simulation Facilities Techniques nuclear radiation
reactors isotopic

sources

DESC: Simulation Facilities Techniques TREE

REPN: DASA 0627 2 ; 66 928 80

SUJO: 3-221-000 ; 3-229-000 ; 4-241-000 ; 4-272-000 ;
4-341-000 ;

4-342-000 ; 4-346-000

TITL: TREE STANDARDS RECOMMENDED TECHNIQUES FOR THE
MEASUREMENT OF

SELECTED NUCLEAR RADIATION EFFECTS ON ELECTRONIC
COMPONENTS, VOL. 2

(U), 247 P (U)

TREE: 620

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DASA 0627 2

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copy: 1 id: 74014-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: DASA 0627 11

AUTH: DYE D.L. ; CALDWELL R.S. ; WICKLEIN H.W. ; DICKHAUT R.H.
; ROSENBERG

C. ; FERRY J.M. ; BUTTS W.E.

CLSS: U

CONN: DA 49 146 XZ 522

CORP: BOEING CO. (SEATTLE, WA)

DATE: 6706

DESC: Nuclear RDT&E Research Program Descriptions electronic
vulnerability

L1

DESC: HANDBOOK

REPN: DASA 0627 1 1 ; D2 125315 1

SUJO: 4-170-000

TITL: TREE STANDARDS; STANDARDIZATION OF DATA FOR TRANSIENT
RADIATION

EFFECTS ON ELECTRONIC SYSTEMS (TREES); VOL. 1 PT. 1,
RECOMMENDATIONS

FOR TREES DATA (U), 72 P., (U)

TREE: 620

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DASA 0627 11

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copy: 1 id: 74012-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: DASA 0627 12
CLSS: U
CONN: DA 49 146 XZ 422
CORP: BOEING CO. (SEATTLE, WA)
DATE: 6706
DESC: Nuclear RDT&E Research Program Descriptions electronic
vulnerability
L1

REPN: DASA 0627 1 2
SUJO: 4-170-000
TITL: TREE STANDARDS; STANDARDIZATION OF DATA FOR TRANSIENT
RADIATION
EFFECTS ON ELECTRONIC SYSTEMS (TREES); VOL. 1 PT. 2,
TECHNICAL
DISCUSSIONS TO SUPPORT RECOMMENDATIONS (U), 196 P., (U)
TREE: 620

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DASA 0627 12

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copy: 1 id: 74013-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: DASA 1420(4)
ADNO: 824434L
AUTH: THATCHER R.K.
CLSS: U
CONN: DA 49 146 XZ 406
CORP: BATTELLE MEMORIAL INSTITUTE (COLUMBUS-OHIO)
DATE: 6708
DESC: HANDBOOK
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes

silicon-controlled rectifiers
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors

vacuum tubes dielectrics relays switches
DESC: Nuclear Weapon Effects electronic pieceparts solar cells
DESC: Nuclear Weapon Effects electronic subsystems analysis
circuit

network
DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits
DESC: Nuclear Weapon Effects electrical mechanical cables
wires

REPN: DASA 1420ED2 R1
SUJO: 3-219-000 ; 3-221-000 ; 3-222-000 ; 3-223-000 ;
3-229-000 ;
3-231-000

TITL: TREE (TRANSIENT-RADIATION EFFECTS ON ELECTRONICS)

HANDBOOK, EDITION

NUMBER 2, REVISION NUMBER 1 (U), 380 P (U)

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DASA 1420(4)

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copy: 1 id: 74296-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: DASA 1420(5)

ADNO: 386918L

AUTH: THATCHER R.K.

CLSS: SRD

CONN: DA 49 146 XZ 406

CORP: BATTELLE MEMORIAL INSTITUTE (COLUMBUS-OHIO)

DATE: 6708

DESC: Nuclear Weapon Effects electronic subsystems analysis
circuit

network

DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits

DESC: Nuclear Weapon Effects electronic subsystems

DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes

silicon-controlled rectifiers

DESC: Nuclear Weapon Environment X-ray Output rate

DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors

vacuum tubes dielectrics relays switches

DESC: Nuclear Weapon Environment X-ray Output source strength
total

intensity

DESC: Nuclear Weapon Environment X-ray Output energy spectrum

DESC: Nuclear Weapon Environment Prompt Neutron energy
spectrum

DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse
width

DESC: Nuclear Weapon Environment Initial Gamma source strength
total

intensity

DESC: SURVEY

DESC: Nuclear Weapon Environment Prompt Neutron source
strength total

fluence

REPN: DASA 1420ED2 R1S

SOCE: DEV-8 ; DEV-32 ; DEV-80 ; DEV-23

SUJO: 1-110-000 ; 1-120-000 ; 1-610-000 ; 1-620-000 ;
1-640-000 ;

1-710-000 ; 1-740-000 ; 3-210-000 ; 3-219-000 ;
3-221-000 ;

3-222-000 ; 3-229-000

TEMP: 57597

TITL: TREE (TRANSIENT-RADIATION EFFECTS ON ELECTRONICS)
HANDBOOK

(CLASSIFIED SUPPLEMENT), EDITION 2, REVISION NO. 1 (U),
229 P (SRD)

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DASA 1420(5)

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copy: 1 id: 74297-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: DASA 1814

ADNO: 380189L

AUTH: HOOK E.O. ; OREHOTSKY R.S. ; MAGEE M.F. ; OBERMAYER A.S.

CLSS: SRD-1

CONN: DA 44 146 XZ 310 (DASA)

CORP: MOLECULON RESEARCH CORPORATION (CAMBRIDGE-MASSACHUSETTS)

DATE: 6701

DESC: test instruments nuclear radiation neutron

DESC: test instruments nuclear radiation dosimeters radiacs

DESC: EXPERIMENTAL

REPN: M 1343 C.3 ; M 1389 C.1 2 ; DASA 04057 ; DASA 1814

SUJO: 4-342-000 ; 4-346-000

TEMP: 53241

TITL: DEVELOPMENT OF POLYMERIC DIAGNOSTIC DEVICES, FINAL
REPORT DATED

JANUARY 1967 (U), 92 P (SRD)

TREE: 655

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DASA 1814

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copy: 1 id: 74765-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: DASA 1875

ADNO: 650822

AUTH: HILSDORF H.

CLSS: U

CONN: DA 49 146 XZ 319

CORP: UNIVERSITY OF ILLINOIS (URBANA-IL)

DATE: 6702

DESC: Cross Sections neutron L1 CONCRETE

DESC: Solid Mechanics structural engineering L1

DESC: THEORY EXPERIMENTAL

REPN: DASA 1875 ; NRSS 4

SUJO: 9-250-000 ; 9-820-000

TITL: WATER CONTENT OF HARDENED CONCRETE (U), NUCLEAR
RADIATION SHIELDING

STUDIES, REPORT NO. 4, 108 P, (U)

TREE: 412
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DASA 1875
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: DASA 1880 1-09
ADNO: 813549L
AUTH: BAUM C.E.
CLSS: U
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
BASE-NEW MEXICO)
DATE: 6704
DESC: test instruments nuclear radiation gamma
DESC: THEORY
REPN: DASA 1880 1
SUJO: 4-341-000
SYMJ: ELECTROMAGNETIC PULSE SENSOR AND SIMULATION NOTES,
VOLUME 1, NOTES I
THROUGH XXVI (U)
TITL: COMPTON DIODE FOR MEASURING BOTH THE GAMMA FLUX AND ONE
COMPONENT OF
THE GAMMACURRENT (U), 22 P (U)
TREE: 651

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DASA 1880 1-09
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: DASA 1880 1-10
ADNO: 813549L
AUTH: DRONENBERG S. ; BERKOWITZ H.L.
CLSS: U
CORP: ARMY/ELECTRONICS COMMAND (FORT MONMOUTH-NEW JERSEY)
DATE: 6704
DESC: THEORY
DESC: test instruments nuclear radiation gamma
REPN: DASA 1880 1
SUJO: 4-341-000
SYMJ: ELECTROMAGNETIC PULSE SENSOR AND SIMULATION NOTES,
VOLUME 1, NOTES I
THROUGH XXVI (U)
TITL: DESCRIPTION OF GAMMA ANISOTROPY SENSOR (BEATLE) (U), 6
P (U)
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DASA 1880 1-10

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copy: 1 id: 72776-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: DASA 1880 1-12
ADNO: 813549L
AUTH: BAUM C.E.
CLSS: U
CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
BASE-NEW MEXICO)
DATE: 6704
DESC: test instruments nuclear radiation gamma
DESC: THEORY
REPN: DASA 1880 1
SUJO: 4-341-000
SYMJ: ELECTROMAGNETIC PULSE SENSOR AND SIMULATION NOTES,
VOLUME 1, NOTES I
THROUGH XXVI (U)
TITL: SPACE CHARGE LIMITED RADIATION DETECTOR (U), 12 P (U)
TREE: 651

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DASA 1880 1-12

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: DASA 1880 2-1
AUTH: BERKOWITZ H.L.
CLSS: U
CORP: INSTITUTE FOR EXPLORATORY RESEARCH
DATE: 6702
DESC: Radiation Transport x-ray
DESC: Radiation Transport gamma
DESC: THEORY
REPN: DASA 1880 2
SUJO: 9-620-000 ; 9-640-000
SYMJ: ELECTROMAGNETIC PULSE SENSOR AND SIMULATION NOTES,
VOLUME 2 NOTES 27
THROUGH 43(U), 380 P (U)
TITL: METHOD FOR TREATING THE SCATTERING OF RADIATION IN
BODIES OF
ARBITRARY CONVEX GEOMETRY, NOTE 28 (U), 15 P (U)

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DASA 1880 2-1

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copy: 1 id: 72780-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
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INUM: DASA 1892 2
ABS: This Volume (chapter 4 of the handbook) surveys the work performed to date on the various types of nuclear radiation albedos, particularly as they relate to penetration of air filled openings through radiation shields (ducts, passageways, etc.) this topic is important in that the primary increase in the radiation that penetrates a shield results from such openings and enters primarily as a result of the successive scattering of the radiation from the walls of the openings. Most of the techniques for estimating the transmission through such openings depend on the use of albedos.
ADNO: 816092
AUTH: SELPH W.E.
CLSS: U
CONN: W 7405 ENG 26
CORP: OAK RIDGE NATIONAL LABORATORY (OAK RIDGE-TENNESSEE)
DATE: 6802
DESC: Cross Sections gamma
DESC: Cross Sections neutron
DESC: HANDBOOK
REPN: ORNL RSIC 21 ; DASA 1892 2
SUJO: 9-820-000 ; 9-830-000
TITL: NEUTRON AND GAMMA-RAY ALBEDOS, REPRINT OF CHAPTER 4 OF WEAPONS RADIATION SHIELDING HANDBOOK, (U), 48 P (U)
TREE: 411 ; 412

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DASA 1892 2
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: DASA 1892 3
ADNO: 666973
AUTH: STEVENS P.N. ; TRUBEY D.K.
CLSS: U
CCDE: DTF-IV ; ANISN ; BIGGI-3P ; RENUPAK ; MOMGEM ; MOMDIS ; MONTE CARLO-15-2 ; FMC-G ; FMC-N ; 05R ; TRG-SGD ; SALOMON ; DIPSEA ; TORN

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; TORG ; OGRE ; SPARC ; ADONIS ; 14-0 ; 14-1 ; 14-2 ;
CLOUD ; QAD ;
      COMBINE ; SHADRAC ; MAC ; MAC-RAD ; NRN ; COMPRASH
CORP:  OAK RIDGE NATIONAL LABORATORY (OAK RIDGE-TENNESSEE)
DATE:  6803
DESC:  Cross Sections neutron
DESC:  Cross Sections gamma
DESC:  HANDBOOK CODE
REPN:  DASA 1892 3
SUJO:  9-820-000 ; 9-830-000
TITL:  WEAPONS RADIATION SHIELDING HANDBOOK, CHAPTER 3 METHODS
FOR
      CALCULATING NEUTRON AND GAMMA-RAY ATTENUATION (U), 112
P (U)
TREE:  411 ; 412
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  DASA 1892 3
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INUM:  DASA 1914
ADNO:  383561L
AUTH:  POLL R.A. ; LEAVY J.F. ; VAN LINT V.A.J.
CLSS:  SRD
CCDE:  PREDICT ; NET-1(RADIATION) ; CIRCUS
CONN:  DA 49 146 XZ 502
CORP:  GD/GENERAL ATOMIC DIVISION (SAN DIEGO-CALIFORNIA)
DATE:  6708
DESC:  Simulation Facilities Techniques TREE
DESC:  Simulation Facilities Techniques nuclear radiation
reactors isotopic
      sources
DESC:  Nuclear Weapon Effects electronic subsystems analysis
circuit
      network
DESC:  Nuclear RDT&E Research Program Descriptions electronic
vulnerability
DESC:  THEORY EXPERIMENTAL CODE CIRCUS)
REPN:  DASA 1914 ; GA 7602
SUJO:  3-219-000 ; 4-170-000 ; 4-241-000 ; 4-272-000
TEMP:  55161
TITL:  DEVELOPMENT OF A HARDENING EXAMPLE FOR THE TREE
HANDBOOK, FINAL
      REPORT (U), 98P (SRD)
TREE:  330
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  DASA 1914
.endblock
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  copy: 1   id: 74870-1001       library: DOCUMENT   price: $.00

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: DASA 1917 1
ABS: Volume 1 of this six-volume handbook describes the
equilibrium thermodynamic properties of high temperature air. The
report contains information on air and a mixture of ideal gases
in chemical equilibrium: ideal gas properties for monatomic gases,
diatomic gases, and polyatomic gases. The effects of
interparticle forces on the thermodynamic properties of air, effects of coulomb
forces on the thermodynamic properties of air, and equilibrium
calculations and results for air are discussed. Tables and graphs of
the composition and properties of the atmosphere are
included.

ADNO: 654054
AUTH: GILMORE F.R. ; MAGEE J.L. ; AROESTE H.
CLSS: U
CORP: LOCKHEED MISSILES AND SPACE COMPANY (PALO
ALTO-CALIFORNIA)
DATE: 6705
DESC: General Atmospheric Properties
DESC: TABULAR
DESC: Equation of State of Air
DESC: Composition Chemistry Atmosphere Reaction Rates
DESC: Solid Mechanics
REPN: DASA 1917 1 ; 3 27 67 1 V1
SUJO: 5-100-000 ; 5-300-000 ; 5-400-000 ; 9-200-000
TITL: THERMAL RADIATION PHENOMENA, VOLUME 1, THE EQUILIBRIUM
THERMODYNAMIC
PROPERTIES OF HIGH TEMPERATURE AIR (U), 332 P (U)

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DASA 1917 1

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created: 12/27/1991 type: REPORT permanent
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INUM: DASA 1917 2
ABS: This Volume 2 presents the theoretical aspects of the
equilibrium radiative properties of air. The theory of radiation in
hot gases (elementary radiative transfer, theory of radiation,

theory of
absorption molecular absorption) is described. Spectral and mean
of six coefficients of heated air and spectroscopic properties
heated air important band systems that contribute to opacity of
are
included.

ADNO: 654055
AUTH: ARMSTRONG B.H. ; NICHOLLS R.W. ; MAGEE J.L. ; AROESTE H.
CLSS: U
CORP: LOCKHEED MISSILES AND SPACE COMPANY (PALO
ALTO-CALIFORNIA)
DATE: 6705
DESC: Absorption Spectrum Transmission Opacity of Natural
Heated Air
DESC: THEORY
DESC: Solid Mechanics
REPN: DASA 1917 2 ; 3 27 67 1 V2
SUJO: 5-200-000 ; 9-200-000
TITL: THERMAL RADIATION PHENOMENA, VOLUME 2, THE EQUILIBRIUM
RADIATIVE
PROPERTIES OF AIR-THEORY (U), 489 P (U)

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DASA 1917 2

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: DASA 1917 3
ABS: Tables of the equilibrium radiative properties of air
and its constituents are presented in This Volume 3 for a wide
range of temperatures and densities. The information contained in
the tables is a combination of experimental data and theoretical
computation.

ADNO: 654773
AUTH: AROESTE H. ; MAGEE J.L.
CLSS: U
CORP: LOCKHEED MISSILES AND SPACE COMPANY (PALO
ALTO-CALIFORNIA)
DATE: 6705
DESC: Absorption Spectrum Transmission Opacity of Natural
Heated Air
DESC: TABULAR
REPN: DASA 1917 3 ; 3 27 67 1 V3
SUJO: 5-200-000
TITL: THERMAL RADIATION PHENOMENA, VOLUME 3, TABLES OF
RADIATIVE

PROPERTIES OF AIR (U), 629 P (U)

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DASA 1917 3

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cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: DASA 1917 4

ABS: This Volume 4 describes the excitation and nonequilibrium phenomena of air that has been subjected to a large amount of radiation.

Topics include: absorption and scattering of x-rays and gamma rays;

collisions of ions and electrons with air molecules; secondary

processes following this excitation (including the creation of

various chemical species); x-ray heating and shock heating of air,

with special reference to very high energy densities; the approach

to composition equilibrium in low and high temperature air;

adiabatic, near equilibrium cooling of air and the formulation of a

criterion for local thermodynamic equilibrium; nonequilibrium

radiative transport and its effect on the total amount and the

spectrum of emitted radiation; radiation in tenuous air at high

temperatures; and radiation in tenuous air with contaminants at low temperatures.

AUTH: LANDSHOFF R.K. ; MAGEE J.L.

CLSS: U

CONN: DA 49 146 XZ 198

CORP: LOCKHEED MISSILES AND SPACE COMPANY (SUNNYVALE-CALIFORNIA)

DATE: 6711

DESC: Solid Mechanics

DESC: Plasma Physics MHD fusion

DESC: Nuclear Weapon Phenomenology Fireball Chemistry

DESC: THEORY

REPN: DASA 1917 4 ; 3 27 67 1 4

SUJO: 2-160-000 ; 9-200-000 ; 9-500-000

TITL: THERMAL RADIATION PHENOMENA, VOL. 4, EXCITATION AND NON-EQUILIBRIUM

PHENOMENA IN AIR, FINAL REPORT (U), 295 P (U)

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DASA 1917 4
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copy: 1 id: 74876-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: DASA 1917 5
ABS: This Volume 5 provides an introduction to radiation hydrodynamics (rh). It contains a discussion of the application of rh to fireballs in the atmosphere. After formulating the basic equations of rh, special attention is given to the radiative transfer problem. Several methods for solving the equations of transfer are touched upon, but special emphasis is placed on the two stream method with a frequency averaging procedure, which is specifically designed for use with finite zone sizes. A version of the fireball code which uses this approach is described.

ADNO: 672837
AUTH: BRODE H.L. ; HILLENDahl R.W. ; LANDSHOFF R.K.
CLSS: U
CONN: DA 49 146 XZ 198
CORP: LOCKHEED MISSILES AND SPACE COMPANY
(SUNNYVALE-CALIFORNIA)
DATE: 6711
DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise Rates
DESC: Nuclear Weapon Phenomenology Fireball Internal Pressure Temperature
DESC: Density Particle Velocities
DESC: Nuclear Weapon Environment Thermal Output rate
DESC: Fluid Mechanics hydrodynamics
DESC: CODE THEORY
REPN: LMSC 3 27 67 1 VOL 5 ; DASA 1917 5
SUJO: 1-240-000 ; 2-110-000 ; 2-130-000 ; 9-410-000
TITL: THERMAL RADIATION PHENOMENA. VOLUME 5 RADIATION HYDRODYNAMICS OF
HIGH TEMPERATURE AIR (U), 165 P (U)

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DASA 1917 5
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copy: 1 id: 74877-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 1917 6
 ABS: Thermal radiation phenomena produced by nuclear
 detonations in the
 atmosphere are described. In deriving the calculational
 models,
 results from existing field test data have played an
 important part
 and a review is given of these data. In the theoretical
 discussion
 the emphasis is on the status of understanding rather
 than on a
 detailed quantitative description. A complete time
 sequence analysis
 of results obtained with the fireball code is presented
 using a 200
 kt air burst at low altitudes as an example.
 ADNO: 391420L
 AUTH: HILLEDAHL R.W. ; LANDSHOFF R.K. ; MAGEE J.L. ; THOMAS
 P.D.
 CLSS: SRD
 CONN: DA 49 146 XZ 198
 CORP: LOCKHEED MISSILES AND SPACE COMPANY (PALO
 ALTO-CALIFORNIA)
 DATE: 6711
 DESC: Nuclear Weapon Environment Airblast static overpressure
 scaling
 DESC: Nuclear Weapon Environment Thermal Output
 DESC: Nuclear Weapon Phenomenology Fireball Energy Partition
 Energy
 Coupling
 DESC: Nuclear Weapon Environment Airblast static overpressure
 OVERPRESSURE
 ARRIVAL TIME
 DESC: Nuclear Weapon Environment Airblast dynamic pressure
 AFTERWINDS
 DESC: SURVEY SOURCEBOOK
 DESC: Nuclear Weapon Phenomenology Fireball Dimensions Rise
 Rates
 DESC: Nuclear Weapon Phenomenology Fireball Internal Pressure
 Temperature
 Density Particle Velocities
 REPN: DASA 1917 6 ; LMSC B007807
 TSHO: LOW-ALT ; HI-ALT
 SUJO: 1-200-000 ; 2-110-000 ; 2-130-000 ; 2-150-000 ;
 2-611-000 ;
 2-611-009 ; 2-612-000
 TEMP: 59146
 TITL: THERMAL RADIATION PHENOMENA. NUCLEAR DETONATIONS IN THE
 ATMOSPHERE,
 FINAL REPORT (U), 495 P (SRD)
 .block
 DASA 1917 6
 .endblock
 .block

copy: 1 id: 74878-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: DASA 1934
ADNO: 816187
AUTH: BRYAN F.A. ; WRIGHT M.D. ; NICHOLLS A.B. ; BENJAMIN A.J.
; WRIGHT J.C.
CLSS: U
CONN: DA 49 146 XZ 499
CORP: RESEARCH TRIANGLE INSTITUTE (RESEARCH TRIANGLE
PARK-NORTH CAROLINA)
DATE: 6705
DESC: Nuclear Weapon Environment Initial Gamma energy spectrum
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra
DESC: Nuclear Weapon Environment Initial Gamma source strength
total
intensity
DESC: THEORY
REPN: DASA 1934 ; R OU 246 ; AD 816187
SUJO: 1-710-000 ; 1-720-000 ; 2-223-200
TITL: INITIAL RADIATION SPECTRA DEFINITION, FINAL REPORT (U),
72 P (U)

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DASA 1934

.endblock

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copy: 1 id: 74890-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: DASA 1939
ADNO: 813539
CLSS: U
CONN: DA 49 146 XZ 282
CORP: DASA INFORMATION AND ANALYSIS CENTER (SANTA
BARBARA-CALIFORNIA)
DATE: 6704
DESC: Nuclear Weapon Phenomenology High-Altitude injection
trapping
DESC: BIBLIOGRAPHY
REPN: DASA 1939 ; SB 4
SUJO: 2-217-000
TITL: TRAPPED RADIATION, SPECIAL BIBLIOGRAPHY NO. 4 (U), 9 P
(U)

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DASA 1939

.endblock

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copy: 1 id: 74893-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 1949
ADNO: 822599
CLSS: U
CONN: DA 49 146 XZ 282
CORP: DASA INFORMATION AND ANALYSIS CENTER (SANTA
BARBARA-CALIFORNIA)
DATE: 6710
DESC: Nuclear Weapon Effects structures aboveground cities
DESC: Nuclear Weapon Effects materials wood paper cellulose
films
DESC: test instruments thermal temperature
DESC: THEORY EXPERIMENTAL
REPN: DASIA SR 059 ; DASA 1949
SHOT: FLAMBEAU
SUJO: 3-246-000 ; 3-252-000 ; 4-384-000
TITL: PROCEEDINGS, TRIPARTITE TECHNICAL COOPERATION PROGRAM
PANGEL N-3,
(THERMAL RADIATION) MASS FIRE RESEARCH SYMPOSIUM (U),

443 (U)

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DASA 1949

.endblock

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copy: 1 id: 74906-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 1952
ADNO: 816138
AUTH: WHITMORE F.C. ; BRYSON C.E. ; PORTER J.P. ; MIESSE J.W.
CLSS: U
CONN: DA 49 146 XZ 560
CORP: SOUTHWEST RESEARCH INSTITUTE (SAN ANTONIO-TX)
DATE: 6706
DESC: Simulation Facilities Techniques biomedical nuclear
radiation L5
DESC: Nuclear RDT&E Research Program Descriptions biomedical
L1
DESC: test instruments biomedical L1
DESC: Nuclear Weapon Effects on animals ionizing radiation
prompt L5
DESC: Nuclear Weapon Effects on animals thermal burns heating
L5
DESC: EXPERIMENTAL
REPN: DASA 1952
SUJO: 3-312-100 ; 3-313-100 ; 4-150-000 ; 4-251-000 ;
4-351-000
TITL: LOW FIELD ELECTRON SPIN RESONANCE STUDY OF THE EFFECT OF
RADIATION

IN LIVING ANIMALS (U), FINAL REPORT--JUNE 1966 TO JUNE
1967, 78 P
(U)

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DASA 1952

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copy: 1 id: 74909-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1974 1

ADNO: 386220

AUTH: EMERLING R.A. ; MULLINS J.H. ; VANPUTTEN J.H. ;
BARTHOLOMEW H.G. ;

HOLLOWAY J.D. ; MCDOWELL D.E. ; LEGG R.F.

CLSS: SRD

CORP: ELECTRO-OPTICAL SYSTEMS INCORPORATED
(PASADENA-CALIFORNIA)

DATE: 6712

DESC: Nuclear Weapon Phenomenology High-Altitude debris
coupling

distribution energy spectrum

DESC: THEORY

DESC: Nuclear Weapon Phenomenology High-Altitude debris
coupling

distribution energy spectrum

DESC: Nuclear Test Simulation Field Programs experiment design
high-altitude debris

DESC: test instruments nuclear radiation gamma

REPN: DASA 1974 1

SHOT: MINERAL WATER ; MINK TAIL ; MILD WIND

TSHO: HI-ALT

SUJO: 2-211-000 ; 2-212-000 ; 4-341-000 ; 4-822-000

TEMP: 55801

TITL: PROJECT 6.2 BLUE ROCK, VOLUME I (U), 66 P (SRD)

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DASA 1974 1

.endblock

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copy: 1 id: 74932-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1974 2

AUTH: EMERLING R.A. ; MULLINS J.H. ; VANPUTTEN J.H. ;
BARTHOLOMEW H.G. ;

HOLLOWAY J.D. ; MCDOWELL D.E. ; LEGG R.F.

CLSS: U

CONN: DA 49 146 XZ 332

CORP: ELECTRO-OPTICAL SYSTEMS INCORPORATED
(PASADENA-CALIFORNIA)

DATE: 6712
 DESC: test instruments nuclear radiation beta electron beams
 DESC: Nuclear Test Simulation Field Programs experiment design
 high-altitude debris
~~DESC: test instruments visible~~
 DESC: test instruments nuclear radiation gamma
 DESC: test instruments electronic vulnerability EMP
 REPN: EOS 5300 ; DASA 1974 2
 SUJO: 4-341-000 ; 4-344-000 ; 4-371-000 ; 4-382-000 ;
 4-822-000
 TITL: PROJECT 6.2 BLUE ROCK, VOLUME II (U), 326 P (U)
 .block
 DASA 1974 2
 .endblock
 .block
 copy: 1 id: 74933-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: DASA 1975
 ADNO: 823890
 AUTH: SHULER M.P. JR. ; BOQUIST W.P. ; HETLEY G.H. JR. ;
 TITTLE A.H. ;
 HEALEY D.J. ; WYCKOFF C.W. ; CAMPBELL J.H. ; FOREMAN
 W.T. ; MAHONY
 L.C. GALBRAITH J.D.
 CLSS: U
 CORP: E G AND G INCORPORATED (BOSTON-MASSACHUSETTS)
 DATE: 6706
 DESC: test instruments thermal optical ir
 DESC: test instruments visible
 DESC: Nuclear Test Simulation Field Programs experiment design
 optical
 radiation experiments UV visible IR
 REPN: DASA 1975 ; EGG B 3566
 TSHO: HI-ALT
 SUJO: 4-380-000 ; 4-382-000 ; 4-820-600
 TITL: BLUE ROCK PROJECT 8.4 INSTRUMENTATION IMPROVEMENT
 PROGRAM FINAL
 REPORT (U), 332 P (U)
 .block
 DASA 1975
 .endblock
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 copy: 1 id: 74934-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: DASA 1979
 ADNO: AD387 157L
 AUTH: HUMPHREY C.H. ; KULANDER J.L. ; HOLLAND D.H.
 CLSS: SRD

CONN: DA 49 146 XZ 268
 CORP: LOCKHEED MISSILES AND SPACE COMPANY (PALO
 ALTO-CALIFORNIA)
 DATE: 6707
 DESC: Nuclear Weapon Phenomenology ionization mechanisms
 chemistry x-ray
 DESC: THEORY EXPERIMENTAL
 DESC: Nuclear Weapon Environment Induced Fireball Thermal
 Noise Antenna
 Excess Temperature
 DESC: Nuclear Weapon Phenomenology Fireball Internal Pressure
 Temperature
 Density Particle Velocities
 DESC: Nuclear Weapon Environment Induced Synchrotron Noise
 DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse
 width
 DESC: Nuclear Weapon Effects EM Propagation absorption
 blackout
 DESC: Nuclear Weapon Phenomenology Atmospheric Ionization
 Chemistry
 general descriptions
 DESC: Nuclear Weapon Phenomenology ionospheric waves heave
 gravity waves
 DESC: Nuclear Weapon Phenomenology High-Altitude debris
 coupling
 distribution energy spectrum
 DESC: Nuclear Weapon Environment Prompt Neutron energy
 spectrum
 DESC: Nuclear Weapon Effects EM Propagation reflection clutter
 fireball
 disturbed ionosphere
 DESC: Nuclear Weapon Environment radiation decay beta decay
 DESC: Nuclear Weapon Environment Visible Output rate
 DESC: Nuclear Weapon Environment Thermal Output rate
 DESC: Nuclear weapon test device physical operation
 construction geometry
 materials components
 DESC: Nuclear Weapon Phenomenology High-Altitude auroras
 REPN: LMSC B 037289 ; DASA 1979
 SHOT: CHECKMATE
 TSHO: HI-ALT
 SOCE: DEV-8
 SUJO: 1-120-000 ; 1-240-000 ; 1-440-000 ; 1-740-000 ;
 2-130-000 ;
 2-211-000 ; 2-215-000 ; 2-223-430 ; 2-311-000 ;
 2-312-400 ;
 2-321-100 ; 2-321-310 ; 2-410-000 ; 2-420-000 ;
 2-618-000 ;
 4-836-000
 TEMP: 57067
 TITL: CHECKMATE (U), 264 P (SRD)
 TREE: 910 ; 920
 .block
 DASA 1979

.endblock

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copy: 1 id: 74937-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1981
ADNO: 384791L
AUTH: SHELTON F.H. ; KEITH J.R.
CLSS: SRD
CONN: DA 49 146 XZ 569
CORP: KAMAN NUCLEAR (COLORADO SPRINGS-COLORADO)
DATE: 6707
DESC: Nuclear Weapon Environment X-ray Output energy spectrum
DESC: Nuclear Weapon Environment X-ray Output source strength
total

intensity
DESC: THEORY TABULAR
DESC: Radiation Transport gamma
DESC: Radiation Transport x-ray
REPN: KN 717 67 1 ; DASA 1981
TSHO: HI-ALT
SUJO: 1-610-000 ; 1-620-000 ; 9-620-000 ; 9-640-000
TEMP: 55933
TITL: X-RAY AIR TRANSPORT, FINAL REPORT (U), 184 P (SRD)
TREE: 980

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DASA 1981

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copy: 1 id: 74938-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 1984 2
ADNO: 821477
AUTH: CLADIS J.B. ; DAVIDSON G.T. ; FRANCIS W.E. ; GAINES E.F.
; NEWKIRK

L.L. ; WALTM.
CLSS: U
CONN: DA 49146 XZ 570
CORP: LOCKHEED MISSILES AND SPACE COMPANY
(SUNNYVALE-CALIFORNIA)

DATE: 6708
DESC: Nuclear Weapon Phenomenology High-Altitude injection
trapping
DESC: Nuclear Weapon Phenomenology High-Altitude debris
coupling

distribution energy spectrum
DESC: THEORY
DESC: Magnetic Fields Electric Currents in the Upper
Atmosphere Trapped

Radiation Particle Fluxes Space Radiation
REPN: LMSC B039917 2 ; DASA 1984
SUJO: 2-212-000 ; 2-217-000 ; 5-800-000
TITL: INVESTIGATION OF EFFECTS OF ELECTROMAGNETIC DISTURBANCES
ON THE
DISTRIBUTION OF GEOMAGNETICALLY TRAPPED PARTICLES,
VOLUME II, FINAL
REPORT (U), 78 P (U)

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DASA 1984 2

.endblock

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copy: 1 id: 74942-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 2003
ADNO: 823667L
AUTH: CANE J.W.
CLSS: U
CONN: DASA 01 68 C 0007
CORP: DEFENSE ATOMIC SUPPORT AGENCY (WASHINGTON-D.C.) , DASA
INFORMATION

AND ANALYSIS CENTER (SANTA BARBARA-CALIFORNIA)

DATE: 6711

DESC: Nuclear Weapon Environment fallout Deposition

DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear

radiation transport

DESC: Nuclear Weapon Environment Fallout Radioproperties

DESC: SUMMARY

REPN: DASIAC SR 064 ; DASA 2003

SUJO: 2-223-000 ; 2-225-000 ; 4-140-000

TITL: FALLOUT PHENOMENOLOGY NUCLEAR WEAPONS EFFECTS RESEARCH
PROJECT AT A
CROSSROADS(U), 48 P (U)

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DASA 2003

.endblock

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copy: 1 id: 74960-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: DASA 2007 2-003
AUTH: STAHL R.H. ; EGGERS G.H. ; WILLIS D.E.
CLSS: SRD
CONN: DASA 01 67 C 0039 ; DA 49 186 AMC 371 (X)
CORP: GULF GENERAL ATOMIC INCORPORATED (SAN DIEGO-CALIFORNIA)
; BATTELLE
MEMORIAL INSTITUTE (COLUMBUS-OHIO)
DATE: 6708

DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes

silicon-controlled rectifiers

DESC: EXPERIMENTAL

DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear

radiation transport

REPN: DASA 2007 ; GA 7738

SHOT: MIDI MIST

TSHO: UG-CONTAINED ; HI-ALT

SUJO: 3-221-000 ; 4-140-000

SYMJ: PROCEEDINGS OF THE X-RAY EFFECTS CONFERENCE, VOLUME 2

TREE AND

SIMULATION (U), 376 P (SRD)

TITL: SCREENING-TEST STUDIES (U), 13 P (SRD)

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DASA 2007 2-003

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copy: 1 id: 72818-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: DASA 2007 3

ADNO: 388374

CLSS: SRD

CORP: BATTELLE MEMORIAL INSTITUTE (COLUMBUS-OHIO)

DATE: 6711

DESC: Nuclear Weapon Effects materials not systems associated

DESC: Cross Sections x-ray

DESC: Nuclear Weapon Effects reentry systems RV

DESC: blast shock Protection

DESC: Radiation Transport x-ray

DESC: SURVEY

REPN: DASA 2007 3

SUJO: 3-113-000 ; 3-240-000 ; 9-640-000 ; 9-840-000 ;

9-860-000

TEMP: 55779-3

TITL: PROCEEDINGS OF THE X-RAY EFFECTS CONFERENCE, VOLUME 3,

TRANSPORT AND

DEPOSITION, JULY 11, 12, 13, 1967, BATTELLE MEMORIAL
INSTITUTE,

COLUMBUS LABORATORIES (U), 327 P (SRD)

TREE: 413 ; 980

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DASA 2007 3

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copy: 1 id: 74967-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 2007 3-004
AUTH: BRIDGMAN C.J.
CLSS: SRD
CORP: AIR FORCE/INSTITUTE OF TECHNOLOGY
DATE: 6711
DESC: THEORY
DESC: Radiation Transport x-ray
REPN: DASA 2007 3
SUJO: 9-640-000
SYMJ: PROCEEDINGS OF THE X-RAY EFFECTS CONFERENCE. VOLUME
3-TRANSPORT AND
DEPOSITION, JULY 11, 12, 13, 1967, BATTELLE MEMORIAL
INSTITUTE,
COLUMBUS LABORATORIES (U), 327 P (SRD)
TITL: SIMPLE METHODS FOR THE CALCULATION OF X-RAY TRANSPORT IN
AIR AND IN
SLAB GEOMETRIES (U), 21 P (SRD)

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DASA 2007 3-004

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copy: 1 id: 72832-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: DASA 2007 3-027
AUTH: MEHL C.R.
CLSS: SRD
CORP: SANDIA CORPORATION (ALBUQUERQUE-NEW MEXICO)
DATE: 6711
DESC: Radiation Transport x-ray
DESC: THEORY
REPN: RS 5230/330 ; DASA 2007 3
SUJO: 9-640-000
SYMJ: PROCEEDINGS OF THE X-RAY EFFECTS CONFERENCE. VOLUME
3-TRANSPORT AND
DEPOSITION, JULY 11, 12, 13, 1967, BATTELLE MEMORIAL
INSTITUTE,
COLUMBUS LABORATORIES (U), 327 P (SRD)
TITL: X-RAY SCATTERING AND FLUORESCENCE EFFECTS (U), 19 P
(SRD)

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DASA 2007 3-027

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copy: 1 id: 72833-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: DASA 2007 3-082
AUTH: MCMASTER W.H.
CLSS: U

CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
DATE: 6711
DESC: Nuclear RDT&E Research Program Descriptions x-ray
effects
DESC: Cross Sections x-ray
REPN: DASA 2007 3
SUJO: 4-130-000 ; 9-840-000
SYMJ: PROCEEDINGS OF THE X-RAY EFFECTS CONFERENCE. VOLUME
3-TRANSPORT AND
DEPOSITION, JULY 11, 12, 13, 1967, BATTELLE MEMORIAL
INSTITUTE,

COLUMBUS LABORATORIES (U), 327 P (SRD)
TITL: COMPILATION OF X-RAY CROSS SECTIONS (U) 16 P (U)

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DASA 2007 3-082

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copy: 1 id: 72835-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: DASA 2007 3-171

AUTH: RENKEN J.H.

CLSS: SRD

CORP: SANDIA CORPORATION (ALBUQUERQUE-NEW MEXICO)

DATE: 6711

DESC: Cross Sections x-ray

DESC: Radiation Transport x-ray

DESC: THEORY

REPN: RS 5231/277 ; DASA 2007 3

SUJO: 9-640-000 ; 9-840-000

SYMJ: PROCEEDINGS OF THE X-RAY EFFECTS CONFERENCE. VOLUME
3-TRANSPORT AND
DEPOSITION, JULY 11, 12, 13, 1967, BATTELLE MEMORIAL
INSTITUTE,

COLUMBUS LABORATORIES (U), 327 P (SRD)

TITL: PHOTON TRANSPORT CALCULATIONS USING THE METHOD OF
DISCRETE ORDINATES
(U), 13 P(SRD)

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DASA 2007 3-171

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copy: 1 id: 72840-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: DASA 2007 3-183

AUTH: CASSOLA R.L. ; LONG P.L. ; HOGAN W.S.

CLSS: SRD

CORP: BATTELLE MEMORIAL INSTITUTE (COLUMBUS-OHIO)

DATE: 6711

DESC: THEORY
 DESC: Radiation Transport x-ray
 REPN: DASA 2007 3
 SUJO: 9-640-000
 SYMJ: PROCEEDINGS OF THE X-RAY EFFECTS CONFERENCE. VOLUME
 3-TRANSPORT AND
 DEPOSITION, JULY 11, 12, 13, 1967, BATTELLE MEMORIAL
 INSTITUTE,
 COLUMBUS LABORATORIES (U), 327 P (SRD)
 TITL: AGE APPROXIMATION TO PHOTON TRANSPORT (U), 16 P (SRD)
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 DASA 2007 3-183
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 copy: 1 id: 72841-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: DASA 2007 3-267
 AUTH: HOPKINS G.R. ; NANCE J.C. ; SWANSON D.R.
 CLSS: SRD
 CORP: GULF GENERAL ATOMIC INCORPORATED (SAN DIEGO-CALIFORNIA)
 DATE: 6711
 DESC: Simulation Facilities Techniques nuclear radiation
 reactors isotopic
 sources
 DESC: Cross Sections x-ray
 DESC: Nuclear Weapon Effects reentry systems RV
 DESC: EXPERIMENTAL THEORY
 REPN: GA 7726 ; DASA 2007 3
 SUJO: 3-113-000 ; 4-241-000 ; 9-840-000
 SYMJ: PROCEEDINGS OF THE X-RAY EFFECTS CONFERENCE. VOLUME
 3-TRANSPORT AND
 DEPOSITION, JULY 11, 12, 13, 1967, BATTELLE MEMORIAL
 INSTITUTE,
 COLUMBUS LABORATORIES (U), 327 P (SRD)
 TITL: SYSTEMS APPLICATION OF COATED PARTICLE TECHNOLOGY (U),
 134 P (SRD)
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 DASA 2007 3-267
 .endblock
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 copy: 1 id: 72876-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: DASA 2007 3-303
 AUTH: EDELMAN D. ; KENNEDY E.T.
 CLSS: SRD
 CORP: GENERAL ELECTRIC COMPANY/MISSILE AND SPACE DIVISION
 DATE: 6711
 DESC: Radiation Transport x-ray

REPN: DASA 2007 3
SUJO: 9-640-000
SYMJ: PROCEEDINGS OF THE X-RAY EFFECTS CONFERENCE. VOLUME
3-TRANSPORT AND
DEPOSITION, JULY 11, 12, 13, 1967, BATTELLE MEMORIAL
INSTITUTE,
COLUMBUS LABORATORIES (U), 327 P (SRD)
TITL: RERADIATION EFFECTS (U), 27 P (SRD)

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DASA 2007 3-303

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copy: 1 id: 72844-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 2010
ADNO: 826160L
AUTH: COLVIN C. ; MARTIN S.
CLSS: U
CCDE: ZZ
CONN: DASA 01 67 C 0103
CORP: URS INCORPORATED (BURLINGAME-CALIFORNIA)
DATE: 6712
DESC: Nuclear Weapon Environment Airblast static overpressure
OVERPRESSURE

ARRIVAL TIME

DESC: Nuclear Weapon Environment Thermal Output

DESC: CODE

DESC: Nuclear Weapon Environment Airblast dynamic pressure
PRESSURE

REPN: URS 683 1 ; DASA 2010

TSHO: LOW-ALT ; HI-ALT

SUJO: 1-200-000 ; 2-611-000 ; 2-612-000

TITL: COMPUTER PROGRAM FOR ESTIMATING FREE-FIELD THERMAL
RADIATION

CHARACTERISTICS, FINAL REPORT (U), 65 P (U)

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DASA 2010

.endblock

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copy: 1 id: 74969-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 2024
ADNO: 387330L
AUTH: CONRAD E.E. ; HAAS P.H. ; KEISTER G.L. ; VAN LINT V.A.J.
CLSS: SRD
CORP: ARMY/HARRY DIAMOND LABORATORIES (WASHINGTON-D.C.) ;
DEFENSE ATOMIC
SUPPORT AGENCY (WASHINGTON-D.C.) ; BOEING COMPANY

(SEATTLE-WASHINGTON) ; GULF GENERAL ATOMIC INCORPORATED
(SAN
DIEGO-CALIFORNIA)
DATE: 6801
DESC: Nuclear RDT&E Research Program Descriptions x-ray
effects
DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear
radiation transport
DESC: SURVEY
DESC: Nuclear RDT&E Research Program Descriptions electronic
vulnerability
REPN: DASA 2024 ; JMDR 67 5 5 1
SUJO: 4-130-000 ; 4-140-000 ; 4-170-000
TEMP: 57152
TITL: ANALYSIS AND TESTING OF MILITARY ELECTRONICS SYSTEMS IN
A NUCLEAR
WEAPON RADIATION ENVIRONMENT (U), 72 P (SRD)
TREE: 641
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DASA 2024
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copy: 1 id: 74985-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 2027
ADNO: 389344L
AUTH: BROOKS J. ; MAROTTA C.
CLSS: SRD
CONN: DASA 01 67 C 0071
CORP: UNION CARBIDE CORPORATION (WHITE PLAINS-NEW YORK)
DATE: 6711
DESC: Nuclear Test Simulation Field Programs experiment design
x-ray
experiments
DESC: Radiation Transport x-ray
DESC: TABULAR
REPN: UCC AS 313 ; DASA 2027
SUJO: 4-820-500 ; 9-640-000
TEMP: 57889
TITL: ANALYSIS OF AN X-RAY SCATTERING EXPERIMENT (U), 43 P
(SRD)
TREE: 980
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DASA 2027
.endblock
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copy: 1 id: 74987-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 2028
ADNO: 837676
AUTH: THATCHER R.K. ; HAMMAN D.J.
CLSS: U
CONN: DASA 01 67 R 0123
CORP: BATTELLE MEMORIAL INSTITUTE (COLUMBUS-OHIO)
DATE: 6805
DESC: Nuclear RDT&E Research Program Descriptions fallout
nuclear
radiation transport
DESC: SURVEY
DESC: Simulation Facilities Techniques nuclear radiation
reactors isotopic
sources
DESC: Nuclear RDT&E Research Program Descriptions electronic
vulnerability
DESC: test instruments nuclear radiation
DESC: Simulation Facilities Techniques TREE
REPN: DASA 2028
SUJO: 4-140-000 ; 4-170-000 ; 4-241-000 ; 4-272-000 ;
4-340-000
TITL: TREE PREFERRED PROCEDURES (SELECTED ELECTRONIC PARTS),
EDITION
NUMBER 1 (U), 160 P (U)
TREE: 620
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DASA 2028
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copy: 1 id: 74988-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 2036 1
ADNO: 830511L
AUTH: DAVIS B.I.
CLSS: U
CONN: DA 49 146 XZ 552
CORP: NORTHROP/NORAIR (HAWTHORNE-CALIFORNIA)
DATE: 6801
DESC: EXPERIMENTAL
DESC: test instruments test hardware pressure stress
DESC: Nuclear Weapon Effects materials ceramics optical
REPN: DASA 2036 1 ; NCL 67 76R V1
SUJO: 3-241-000 ; 4-311-000
TITL: FIBER OPTIC PRESSURE TRANSDUCER FOR USE IN IONIZING
RADIATION
ENVIRONMENTS, VOLUME 1 DESIGN AND RADIATION TESTING (U),
69 P (U)
TREE: 361 ; 363
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DASA 2036 1
.endblock

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copy: 1 id: 74994-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 2036 2
ADNO: 389293L
AUTH: DAVIS B.I.
CLSS: SRD
CONN: DA 49 146 XZ 552
CORP: NORTHROP CORPORATE LABS. (HAWTHORNE, CA)
DATE: 6801
REPN: DASA 2036 2 ; NCL 67 74R V2
TEMP: 57900
TITL: FIBER OPTIC PRESSURE TRANSDUCER FOR USE IN IONIZING
RADIATION
ENVIRONMENTS; VOL. 2, EVALUATION FOR FIELD CONDITIONS
(U), 12 P.,
(SRD)

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DASA 2036 2
.endblock

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copy: 1 id: 74995-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 2041
ADNO: 841897
AUTH: WISOTSKI J.
CLSS: U
CONN: DA 29 146 XZ 527
CORP: UNIVERSITY OF DENVER (DENVER-CO)
DATE: 6810
DESC: Nuclear Test Simulation Field Programs experiment design
optical
radiation experiments UV visible IR
DESC: Nuclear Test Simulation Field Programs experiment design
photography
DESC: EXPERIMENTAL
DESC: Simulation Facilities Techniques blast shock high
explosives
REPN: DASA 2041
SHOT: DISTANT PLAIN
SUJO: 4-216-300 ; 4-820-600 ; 4-826-000
TITL: EARLY EXPLOSION PHENOMENA FROM OPERATION DISTANT
PLAIN-FINAL REPORT,
(U), 69 P, (U)

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DASA 2041
.endblock
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copy: 1 id: 74997-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 2052
ADNO: 832313L
AUTH: WEBER A.H. ; BRISKEN A.F. ; FENNELL J.F. ; GEORGE J.A.
; HOVERTER R.T. ; MANSON D.J. ; PAIKEDAY J.M.
CLSS: U
CONN: DA 49 146 XZ 494
CORP: ST. LOUIS UNIVERSITY (ST. LOUIS-MISSOURI)
DATE: 6802
DESC: SATELLITE (INJUN 1) ; EXPERIMENTAL
DESC: Magnetic Fields Electric Currents in the Upper
Atmosphere Trapped
Radiation Particle Fluxes Space Radiation
REPN: DASA 2052
SUJO: 5-800-000
TITL: UNIDIRECTIONAL AND OMNIDIRECTIONAL FLUX DENSITIES OF
TRAPPED
PARTICLES INJUN 1AND EXPLORER 4 SATELLITES, FINAL REPORT
(U), 36 P
(U)

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DASA 2052
.endblock

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copy: 1 id: 75018-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 2052 1
ADNO: 832336
AUTH: MANSON D.J. ; FENNELL J.F. ; DELANEY R.M. WEBER A.H. ;
GEORGE J.A. ;
PAIKEDAY J.M.
CLSS: U
CONN: DA 49 146 XZ 494
CORP: ST. LOUIS UNIVERSITY (ST. LOUIS-MISSOURI)
DATE: 6802
DESC: SATELLITE (EXPLORER 4) ; EXPERIMENTAL
DESC: Magnetic Fields Electric Currents in the Upper
Atmosphere Trapped
Radiation Particle Fluxes Space Radiation
DESC: Nuclear Weapon Phenomenology High-Altitude injection
trapping
REPN: DASA 2052 1
SHOT: ARGUS-1 ; ARGUS-2
TSHO: HI-ALT
SUJO: 2-217-000 ; 5-800-000
TITL: UNIDIRECTIONAL AND OMNIDIRECTIONAL FLUX DENSITIES OF

TRAPPED

EXPLORES 4 PARTICLES IN ARGUS SHELLS AND THE INNER VAN ALLEN BELT,
SATELLITE DATA, FINAL REPORT(U), 56 P (U)

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DASA 2052 1

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copy: 1 id: 75019-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 2053
ADNO: 834942L
AUTH: SELPH W.E. ; NEWELL J.M. ; BAYER C.E.
CLSS: U
CORP: RADIATION RESEARCH ASSOCIATES INCORPORATED (FORT
WORTH-TEXAS)
DATE: 6710
DESC: test instruments nuclear radiation dosimeters radiacs L1
DESC: Cross Sections neutron
DESC: test instruments nuclear radiation gamma L1
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra L5
DESC: Nuclear Weapon Effects structures hard launch sites
materials
REPN: RRA T 82 ; DASA 2053
SUJO: 2-223-200 ; 3-116-200 ; 4-341-000 ; 4-346-000 ;
9-820-000
TITL: ANALYSIS OF NEUTRON STREAMING THROUGH AN UNDERGROUND
HARDENED
INSTALLATION (U), 52 P (U)
TREE: 412

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DASA 2053

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copy: 1 id: 75020-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 2056
ADNO: 671617
AUTH: PROFIO A.E. ; CERBONE R.J. ; CARRIVEAU G.W. ; GOZANI T.
CLSS: U
CONN: DA 49 146 XZ 482
CORP: GULF GENERAL ATOMIC INCORPORATED (SAN DIEGO-CALIFORNIA)
DATE: 6711
DESC: EXPERIMENTAL
DESC: Cross Sections neutron
DESC: Radiation Transport neutron

REPN: DASA 2056 ; GA 8355
SUJO: 9-650-000 ; 9-820-000
TITL: MEASUREMENTS OF THE NEUTRON ANGULAR FLUX SPECTRUM IN
WATER, ANNUAL
SUMMARY REPORT FOR THE PERIOD OCT. 1, 1966 THROUGH SEPT.
30, 1967

(U), 130 P (U)
TREE: 920

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DASA 2056

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copy: 1 id: 75023-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: DASA 2067

ADNO: 390838L

AUTH: KIVEL B.

CLSS: SRD

CONN: DASA 01 67 C 0131

CORP: AVCO CORPORATION/EVERETT RESEARCH LABORATORY
(EVERETT-MASSACHUSETTS)

DATE: 6804

DESC: Nuclear Weapon Phenomenology High-Altitude induced
airglow

fluorescence

DESC: Nuclear Weapon Phenomenology High-Altitude debris
coupling

distribution energy spectrum

DESC: THEORY EXPERIMENTAL

REPN: DASA 2067 ; AERL 68 151 ; RN 753

SHOT: STARFISH

TSHO: HI-ALT

SUJO: 2-211-000 ; 2-214-000

TEMP: 57668

TITL: DEBRIS RADIATION (U), 24 P (SRD)

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DASA 2067

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copy: 1 id: 75031-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 2084 1

ADNO: 391347L

CLSS: SRD

CONN: DASA 01 67 C 0133

CORP: BOEING AIRCRAFT COMPANY (SEATTLE-WASHINGTON)

DATE: 6803

DESC: Cross Sections x-ray

DESC: Nuclear Weapon Effects reentry systems RV
DESC: Nuclear Weapon Effects materials plastics resins
DESC: Nuclear Weapon Effects materials metals alloys
DESC: SURVEY
REPN: DASA 2084 1
SUJO: 3-113-000 ; 3-243-000 ; 3-244-000 ; 9-840-000
TEMP: 59191
TITL: RESPONSE OF RV MATERIALS AND SYSTEMS TO RADIATION,
VOLUME 1, FINAL
REPORT (U),150 P (SRD)

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DASA 2084 1

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copy: 1 id: 75041-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: DASA 2084 2
ADNO: 391438L
CLSS: SRD
CONN: DASA 01 67 C 0133
CORP: BOEING AIRCRAFT COMPANY (SEATTLE-WASHINGTON)
DATE: 6803
DESC: Nuclear Weapon Effects reentry systems RV
DESC: Cross Sections x-ray
DESC: THEORY TABULAR
DESC: equation of state heat of vaporization thermal
conductivity opacity
REPN: DASA 2084 2 ; D 2 125708 2
SUJO: 3-113-000 ; 9-710-000 ; 9-840-000
TEMP: 59192
TITL: RESPONSE OF RV MATERIALS AND SYSTEMS TO RADIATION,
VOLUME II FINAL
REPORT (U),83 P (SRD)

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DASA 2084 2

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copy: 1 id: 75042-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: DASA 2084 3
ADNO: 391439L
CLSS: SRD
CONN: DASA 01 67 C 0133
CORP: BOEING AIRCRAFT COMPANY (SEATTLE-WASHINGTON)
DATE: 6803
DESC: Nuclear Weapon Effects reentry systems RV
DESC: THEORY EXPERIMENTAL
REPN: DASA 2084 3 ; D 2 125708 3

SUJO: 3-113-000
TEMP: 59193
TITL: RESPONSE OF RV MATERIALS AND SYSTEMS TO RADIATION,
VOLUME III FINAL
REPORT (U), 66 P (SRD)

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DASA 2084 3

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copy: 1 id: 75043-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 2087
ADNO: 391096L
AUTH: NABLO S.V. ; GRAYBILL S.E. ; RIZZO J. ; MCNEILL W. ;
UGLUM J. ;

LITTLE R.

CLSS: C
CONN: DA 49 146 XZ 553
CORP: ION PHYSICS CORPORATION (BURLINGTON-MASSACHUSETTS)
DATE: 6807
DESC: Simulation Facilities Techniques TREE
DESC: test instruments nuclear radiation beta electron beams
DESC: THEORY EXPERIMENTAL
DESC: test instruments nuclear radiation dosimeters radiacs
REPN: DASA 2087
SUJO: 4-272-000 ; 4-344-000 ; 4-346-000
TEMP: 61018
TITL: INVESTIGATION OF THE CHARACTERISTICS OF CONFINED PLASMAS
GENERATED
BY MAGNETICALLY SELF-FOCUSED ELECTRON STREAMS, FINAL
REPORT (U), 159
P (S)

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DASA 2087

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copy: 1 id: 75046-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 2089
ABS: Characteristics of the human eye that affect the eyes
sensitivity to
thermal radiation, and potential protective measures are
summarized.
Nuclear bursts at which flash-blindness and retinal burn
effects
have been documented are identified, and the effects are
reviewed
and evaluated. Laboratory studies on flash-blindness are

briefly reviewed, and wide variations are noted in individual recovery times from effects produced by the same source under the same conditions. Analytical equations derived from analysis of nuclear burst data are presented for calculating the following parameters of thermal radiation : (1) fireball radius as a function of time? (2) time to final thermal maximum, $T_{sub F}$, for air bursts? (3) radiant exposure up to $10 T_{sub F}$? (4) rate of thermal energy delivery as a function of time? (5) fraction of thermal energy delivered as a function of time?

ABS: (6) rate of thermal energy delivery at time of first thermal maximum. Criteria based on nuclear test effects are evaluated for prevention of retinal burn. Separation distances, based on the criteria, and calculated by use of the analytical equations are presented graphically for the following conditions? safe viewing by unprotected dark-adapted subjects on the ground of only the first 100 msec of night bursts of yields of 1, 10, 45, 100, and 1000 kt at altitudes from 1 to 20 km? safe viewing for night-adapted visually unprotected subjects coaltitude with the same burst yields. Results are estimated accurate within 25 to 50 percent.

ADNO: 392860L
 CLSS: SRD
 CONN: DA 49 146 XZ 387
 CORP: GCA CORPORATION (BEDFORD-MASSACHUSETTS)
 DATE: 6809
 DESC: SUMMARY
 DESC: test instruments visible
 DESC: Nuclear RDT&E Research Program Descriptions EM propagation
 atmospheric chemistry
 REPN: GCA TR 68 4 G ; DASA 2089
 SUJO: 4-120-000 ; 4-382-000
 TEMP: 59849
 TITL: GROUND AND ROCKET-BORNE PHOTOMETER DEVELOPMENT PROJECT
 6.6 OPERATION
 BLUE ROCK, FINAL REPORT (U), 76 P (SRD)
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DASA 2089
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copy: 1 id: 75049-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 2092
ADNO: 391331L
AUTH: STRIBLING D.R. ; BOTHELL L.E.
CLSS: SRD
CONN: DASA 01 67 C 0033
CORP: KAMAN NUCLEAR (COLORADO SPRINGS-COLORADO)
DATE: 6802
DESC: Nuclear Weapon Effects electronic pieceparts measuring
devices
sensors detectors
DESC: test instruments thermal temperature
DESC: SURVEY
DESC: test instruments test hardware acceleration measurement
DESC: test instruments test hardware displacement strain
REPN: DASA 2092 ; KN 743 68 12 R
TSHO: UG-CONTAINED
SUJO: 3-224-000 ; 4-314-000 ; 4-316-000 ; 4-384-000
TEMP: 59145
TITL: STRUCTURAL RESPONSE INSTRUMENTATION IN RADIATION
ENVIRONMENTS FINAL
REPORT (U), 130 P (SRD)

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DASA 2092
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copy: 1 id: 75052-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 2107
ABS: This bibliography is primarily intended to identify and
compile
military operational reference material published by the
Military
Services and selected government agencies, which relate
to nuclear
radiation command exposure guidance and contamination
control
levels. No attempt has been made to list all
service-sponsored or
government agencies publications which do not relate
directly to
military peacetime or wartime operations. The synopsis
given for
each reference is not intended to cover all the data of

interest in

the document. It is designed to provide some of the
highlights of
the pertinent information as an indicator of the type of
data that

can be found in the document.

ADNO: 837275
AUTH: ADAMS A.E. ; STEFANI L.J.
CLSS: U
CORP: DEFENSE ATOMIC SUPPORT AGENCY/ARMED FORCES RADIOBIOLOGY
RESEARCH

INSTITUTE (BETHESDA-MARYLAND)

DATE: 6805
DESC: Nuclear Weapon Effects on animals ionizing radiation
DESC: Nuclear weapon safety radiological
DESC: BIBLIOGRAPHY
REPN: DASA 2107
SUJO: 3-312-000 ; 4-838-100
TITL: ARMED SERVICES AND OTHER GOVERNMENT AGENCIES
PUBLICATIONS ON NUCLEAR
RADIATIONCOMMAND OPERATIONAL EXPOSURE GUIDANCE AND
CONTAMINATION

CONTROL LEVELS, BIBLIOGRAPHY AND ABSTRACTS (U), 70 P (U)

TNFF: 3000 ; 8859

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DASA 2107

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copy: 1 id: 75063-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: DASA 2135 1

ADNO: 846273L

CLSS: U

CCDE: VERA

CONN: DASA 01 68 C 0055

CORP: SYSTEMS SCIENCE AND SOFTWARE (LA JOLLA-CA)

DATE: 6812

DESC: THEORY CODE

DESC: Radiation Transport x-ray

DESC: Fluid Mechanics hydrodynamics

REPN: DASA 2135 1

SUJO: 9-410-000 ; 9-640-000

TITL: VERA CODE A ONE-DIMENSIONAL RADIATIVE HYDRODYNAMIC
PROGRAM, VOLUME 1

(U), 136 P (U)

TREE: 980

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DASA 2135 1

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copy: 1 id: 75087-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 2138
ADNO: 393933L
AUTH: SHELTON F.H. ; KEITH J.R.
CLSS: SRD
CONN: DA 49 146 XZ 569
CORP: KAMAN NUCLEAR (COLORADO SPRINGS-CO)
DATE: 6805
DESC: TABULAR
DESC: Nuclear Weapon Environment X-ray Output
DESC: Radiation Transport x-ray
REPN: KN 717 68 4 ; DASA 2138
TSHO: HI-ALT
SOCE: DEV-98
SUJO: 1-600-000 ; 9-640-000
TEMP: 61302
TITL: TIME DEPENDENT X-RAY TRANSPORT, FINAL REPORT (U), 147 P
(SRD)
TREE: 980

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DASA 2138

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copy: 1 id: 75090-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 2143
ADNO: 392881
AUTH: ARCHER D.H.
CLSS: S
CONN: DASA 01 68 C 0007
CORP: DASA INFORMATION AND ANALYSIS CENTER (SANTA
BARBARA-CALIFORNIA)
DATE: 6807
DESC: Nuclear Weapon Phenomenology High-Altitude debris
coupling
distribution energy spectrum
DESC: Nuclear Weapon Phenomenology Fireball Chemistry
DESC: SURVEY
DESC: Nuclear RDT&E Research Program Descriptions EM
propagation
atmospheric chemistry
DESC: Nuclear Weapon Phenomenology High-Altitude induced
airglow
fluorescence
REPN: DASIA SR 076 ; DASA 2143
TSHO: HI-ALT
SUJO: 2-160-000 ; 2-213-000 ; 2-214-000 ; 4-120-000
TEMP: 81818

TITL: NUCLEAR-WEAPON-INDUCED FORMATION OF DEBRIS OXIDES AND
THEIR INFRARED

RADIATION-A SURVEY OF CURRENT KNOWLEDGE (U), 47 P (S)

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DASA 2143

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copy: 1 id: 75094-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: DASA 2152

ADNO: 844086L

AUTH: POMRANING G. C. ; LINDLEY W. B. ; WILSON H. ; WOODS A.
; FREEMAN

B.E.

CLSS: U

CCDE: OUTPUT

CONN: DASA 01 67 C 0130

CORP: GULF GENERAL ATOMIC INCORPORATED (SAN DIEGO-CA)

DATE: 6808

DESC: CODE THEORY

DESC: Fluid Mechanics hydrodynamics

DESC: Radiation Transport gamma

DESC: Radiation Transport x-ray

DESC: Cross Sections x-ray

REPN: GA 8748 ; DASA 2152

SUJO: 9-410-000 ; 9-620-000 ; 9-640-000 ; 9-840-000

TITL: EARLY TIME NUCLEAR WEAPONS PHENOMENA, FINAL REPORT (U),
283 P (U)

TREE: 930

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DASA 2152

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copy: 1 id: 75103-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 2153

ADNO: 680624

AUTH: WHITMORE F.C. ; BRYSON C.E.

CLSS: U

CONN: DA 49 146 XZ 560

CORP: SOUTHWEST RESEARCH INSTITUTE (SAN ANTONIO-TX)

DATE: 6809

DESC: EXPERIMENTAL

DESC: Nuclear Weapon Effects on plants ionizing radiation
prompt

DESC: Nuclear RDT&E Research Program Descriptions biomedical

DESC: Simulation Facilities Techniques biomedical nuclear
radiation

REPN: DASA 2153 ; 05 1927 01 ; AD 680624
SUJO: 3-332-100 ; 4-150-000 ; 4-251-000
TITL: LOW FIELD ELECTRON SPIN RESONANCE STUDY OF THE EFFECT OF
RADIATION
IN LIVING ANIMALS, FINAL REPORT (U), 75 P (U)

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DASA 2153

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copy: 1 id: 75104-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: DASA 2155 001
AUTH: SMITH I.
CLSS: U
CORP: PHYSICS INTERNATIONAL CO.
DATE: 6809
DESC: Simulation Facilities Techniques TREE L1
DESC: SUMMARY
SUJO: 4-272-000
SYMJ: NOTES OF THE 23-25 APRIL 1968 DASA MEETING FOR REVIEW
AND PLANNING

IN SIMULATION

TITL: PULSED RADIATION SIMULATORS (U), 15 P., (U)

TREE: 642

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DASA 2155 001

.endblock

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copy: 1 id: 72895-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: DASA 2155 119
AUTH: DEPACKH D.C.
CLSS: U
CORP: NAVAL RESEARCH LAB.
DATE: 6809
DESC: THEORY SUMMARY
DESC: Simulation Facilities Techniques TREE L5
SUJO: 4-272-000
SYMJ: NOTES OF THE 23-25 APRIL 1968 DASA MEETING FOR REVIEW
AND PLANNING

IN SIMULATION

TITL: SYNCHROTRON RADIATION (U), 4 P., (U)

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DASA 2155 119

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copy: 1 id: 72902-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
.endblock

INUM: DASA 2155 123
AUTH: WARE A.A.
CLSS: U
CORP: AEROJET-GENERAL CORP.
DATE: 6809
DESC: Simulation Facilities Techniques EM propagation
atmospheric chemistry high-altitude phenomenolgy L1
DESC: EXPERIMENTAL
SUJO: 4-220-000
SYMJ: NOTES OF THE 23-25 APRIL 1968 DASA MEETING FOR REVIEW
AND PLANNING IN SIMULATION
TITL: CONTROLLED CURRENT CHOPPING FOR INTENSE RADIATION PULSES
AND RAPID SWITCHING (U), 25 P., (U)

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DASA 2155 123

.endblock

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copy: 1 id: 72903-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: DASA 2168
ADNO: 692167
AUTH: SAENGER E.L. FRIEDMAN B. ; HORWITZ H. ; KEREIAKES J.G.
CLSS: U
CONN: DA 49 146 XZ 315
CORP: UNIVERSITY OF CINCINNATI COLLEGE OF MEDICINE
(CINCINNATI-OH)
DATE: 6804
DESC: Nuclear Weapon Effects on animals ionizing radiation
chronic
DESC: SUMMARY
REPN: DASA 2168
SUJO: 3-312-200
TITL: RADIATION EFFECTS IN MAN: MANIFESTATIONS AND THERAPEUTIC
EFFORTS,
ANNUAL REPORT 52P (U)

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DASA 2168

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: DASA 2175

ADNO: 847130L
 AUTH: YONAS G. ; SPENCE P.
 CLSS: U
 CONN: DASA 01 68 C 0096
 CORP: PHYSICS INTERNATIONAL (SAN LEANDRO-CA)
 DATE: 6810
 DESC: EXPERIMENTAL
 DESC: Radiation Transport plasma
 DESC: Radiation Transport electron L1
 DESC: Simulation Facilities Techniques TREE
 REPN: DASA 2175 ; PIFR 106
 SUJO: 4-272-000 ; 9-660-000 ; 9-680-000
 TITL: EXPERIMENTAL INVESTIGATION OF HIGH NU/GAMMA ELECTRON
 BEAM TRANSPORT
 (U), 166 P(U)
 TREE: 642 ; 990
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 DASA 2175
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 copy: 1 id: 75128-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: DASA 2179
 ADNO: AD 693104
 AUTH: SAENGER E.L. ; FRIEDMAN B.I. ; HORWITZ H. ; KEREIAKES
 J.G. ; PERRY
 H.
 CLSS: U
 CONN: DA 49-146-XZ-315
 CORP: UNIVERSITY OF CINCINNATI/COLLEGE OF MEDICINE/CINCINNATI
 GENERAL
 HOSPITAL (CINCINNATI OHIO)
 DATE: 6700
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Effects on animals ionizing radiation
 prompt L1
 REPN: DASA 2179
 SUJO: 3-312-100
 TITL: METABOLIC CHANGES IN HUMANS FOLLOWING TOTAL-BODY
 IRRADIATION (U), 54
 P., (U)
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 DASA 2179
 .endblock
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 copy: 1 id: 75132-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: DASA 2198

ADNO: 501198
 CLSS: SRD 1
 CONN: DASA 01 68 C 0007
 CORP: GENERAL ELECTRIC COMPANY/TEMPO (SANTA BARBARA-CA)
 DATE: 6811
 DESC: test instruments x-ray effects
 DESC: test instruments nuclear radiation gamma
 DESC: Nuclear RDT&E Research Program Descriptions fallout
 nuclear
 radiation transport
 DESC: test instruments nuclear radiation dosimeters radiacs
 REPN: DASA 2198 ; DASIAC SR 071
 SUJO: 4-140-000 ; 4-330-000 ; 4-341-000 ; 4-346-000
 TEMP: 81813
 TITL: PROCEEDINGS, X-RAY DIAGNOSTIC INSTRUMENTATION MEETING
 (U), 299 P
 (SRD)
 TREE: 653
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 DASA 2198
 .endblock
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 copy: 1 id: 75160-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: DASA 2218
 ADNO: 696226
 AUTH: RUSSELL J.L. JR.
 CLSS: U
 CONN: DASA 01 68 C 0124
 CORP: GULF GENERAL ATOMIC INCORPORATED (SAN DIEGO-CA)
 DATE: 6811
 DESC: EXPERIMENTAL
 DESC: Radiation Transport neutron
 REPN: DASA 2218 ; GA 9081
 SUJO: 9-650-000
 TITL: MEASUREMENT AND ANALYSIS OF THE TRANSPORT OF FAST
 NEUTRONS IN LIQUID
 NITROGEN, FINAL REPORT (U), 265 P (U)
 TREE: 970
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 DASA 2218
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 copy: 1 id: 75178-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: DASA 2231
 ADNO: 502114L
 CLSS: SRD 1

CORP: LOCKHEED MISSILES AND SPACE COMPANY (PALO ALTO-CA)
DATE: 6802
DESC: Nuclear Weapon Effects ordnance electroexplosive devices
fuses
DESC: Nuclear Weapon Effects ordnance propellants solid
DESC: Nuclear Weapon Effects ordnance explosives
DESC: SYMPOSIUM
EFFT: NUCLEAR RADIATION
REPN: DASA 2231 ; LMSC B 039137
SUJO: 3-162-000 ; 3-163-000 ; 3-164-000
TEMP: 65042
TITL: RADIATION EFFECTS ON PROPULSION SYSTEMS AND EXPLOSIVES,
SYMPOSIUM,
FEBRUARY 7,8, AND 9, 1968 (U), 524 P (SRD)

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DASA 2231

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: DASA 2238
ADNO: 854315
AUTH: CLADIS J.B. ; DAVIDSON G.T. ; FRANCIS W.E. ; NEWKIRK
L.L. ; OSSAKOW
S.L. ; WALT M.

CLSS: U
CONN: DA 49 146 XZ 570
CORP: LOCKHEED MISSILES AND SPACE COMPANY (PALO ALTO-CA)
DATE: 6811
DESC: Nuclear Weapon Phenomenology High-Altitude injection
trapping
DESC: THEORY
DESC: Plasma Physics MHD fusion
DESC: Magnetic Fields Electric Currents in the Upper
Atmosphere Trapped
Radiation Particle Fluxes Space Radiation
REPN: DASA 2238 ; N 03 68 1
SUJO: 2-217-000 ; 5-800-000 ; 9-500-000
TITL: INVESTIGATION OF PROCESSES AFFECTING DISTRIBUTION OF
GEOMAGNETICALLY
TRAPPED PARTICLES, ANNUAL REPORT (U), 70 P (U)

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DASA 2238

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copy: 1 id: 75200-1001 library: DOCUMENT price: \$.00
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created: 12/27/1991 type: REPORT permanent

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INUM: DNA 1251 4-1

ABS: This fourth volume is a compendium of data on radiation and radiochemical characteristics of local fallout. Part 1 presents data on radioactivity investigated as a function of mass, particle size, and time. Accordingly, it is organized into three main data sections: specific activity, activity-size distribution, and decay. Included besides the primary data is background information on the location and types of collection equipment used, the instrumental or radiochemical processing involved, and the purposes of the analyses.

ADNO: 500919L
AUTH: OCONNOR J.D. ; CROCKER G.R.
CLSS: SRD 1
CORP: NAVY/NAVAL RADIOLOGICAL DEFENSE LABORATORY (SAN FRANCISCO-CA)
DATE: 6809
DESC: Nuclear Weapon Phenomenology UGT Debris in tunnels
DESC: Nuclear Weapon Environment Fallout gamma intensities spectra L1
DESC: Nuclear Weapon Environment Fallout beta intensities L1
DESC: Nuclear Weapon Environment Fallout isotope concentrations L1
DESC: SUMMARY
DESC: Nuclear Weapon Environment radiation decay L1
DESC: Nuclear Weapon Environment Fallout Particles size distribution L1
REPN: NRDL 68 2 V2PT1 ; DASA 1251 V.4-1
SUJO: 2-222-300 ; 2-223-100 ; 2-223-200 ; 2-223-300 ; 2-223-400 ; 2-231-000
TEMP: 65276 ; A1393
TITL: LOCAL FALLOUT FROM NUCLEAR TEST DETONATIONS; VOLUME 4, ANNOTATED

COMPENDIUM OF DATA ON RADIOCHEMICAL AND RADIATION CHARACTERISTICS OF FALLOUT, PT.1, SPECIFIC ACTIVITY, ACTIVITY-SIZE DISTRIBUTION, DECAY (U), 639 P (SRD)

TNFF: 4860

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DNA 1251 4-1

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created: 12/27/1991 type: REPORT permanent

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INUM: EMP 1-2-28
ABS: This paper presents a method for formulating problems involving the passage of particles through material bodies of arbitrary convex geometry in which the interaction between a particle and the body depends on the length of the straight line path traveled. The radiation environment is described by a distribution function and the body is described by a projected cross-section and an angular chord distribution, permitting the effects of geometry to be treated independently of the physical process involved. The method is first formulated for bodies scattering incident radiation, and then extended to include bodies containing uniformly distributed anisotropic radiation emitters.

ABS: Two sample problems are solved: the response of a scintillator to an x-ray flux, and the spectrum of recoil protons emerging from a hydrogenous body irradiated by a monoergic neutron beam. Angular chord distributions are calculated for a sphere, an infinite slab, an infinite cylinder, and the fact of a semi-infinite cylinder.

AUTH: Berkowitz H.L.
CLSS: U
CORP: Institute for Exploratory Research
DATE: 6702
DESC: THEORY
DESC: Nuclear Weapon Effects structures aboveground L1 TREE
SUJO: 3-250-000
SYMJ: Electromagnetic Pulse Sensor and Simulation Notes; Vol. 2, Notes 27 through 43

TITL: Method for Treating the Scattering of Radiation in Bodies of Arbitrary Convex Geometry (U), 14 P., (U)

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EMP 1-2-28

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created: 12/27/1991 type: REPORT permanent

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INUM: EMP 3-17-187

ABS: The problem of electromagnetic radiation and scattering from perfectly conducting bodies of revolution and arbitrary shape is considered. The mathematical formulation is an integro-differential equation, obtained from the potential integrals plus boundary conditions at the body. A solution is effected by the method of moments, and the results are expressed in terms of generalized network parameters. A computer program for computing the generalized impedance matrix of an arbitrary body of revolution is included. The expansion functions chosen for the moment solutions are harmonic in azimuth angle and subsectional in t (contour length variable). Because of rotational symmetry, the solution becomes a Fourier series in azimuth angle, each term of which is uncoupled to every other term.

ABS: Hence, the problem reduces to a set of independent modes, one for each harmonic term. Illustrative computations are given for radiation from apertures and plane-wave scattering from bodies of revolution. The impedance elements, currents, radiation patterns, and scattering patterns for a conducting sphere are computed both from the general program and from the classical eigenfunction solution. The agreement obtained serves to check the general program. Similar computations for a cone-sphere illustrate the application of the general program to problems not solvable by classical methods.

AUTH: Mautz J.R. ; Harrington R.F.

CLSS: U

CCDE: ZZ (EMP COUPLING) SYRACUSE U

CORP: Syracuse University (Syracuse, NY)

DATE: 6805

DESC: THEORY TABULAR CODE

DESC: Nuclear Weapon Effects structures aboveground models L1

EFFT: EMP

EMPF: 363 ; 321 ; 302 ; 304

SUJO: 3-259-000
SYMJ: Electromagnetic Pulse Interaction Notes; Vol. 17, Notes
187 through 192 (U)

TITL: Generalized Network Parameters for Bodies of Revolution
(U), 73 P., (U)

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EMP 3-17-187

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copy: 1 id: 54091-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: JDR01A-2-100
AUTH: HOLLAND D.H.
CLSS: S
CORP: LOCKHEED PALO ALTO RESEARCH LABORATORY (PALO ALTO-CA)
DATE: 6811
DESC: Emission Spectra of the Atmosphere L1
DESC: IR
DESC: Ionosphere normal properties L1 IR EMISSIONS
SUJO: 5-600-000 ; 5-710-000
SYMJ: JOURNAL OF DEFENSE RESEARCH, SERIES A, STRATEGIC
WARFARE, 1969
TITL: INFRARED BACKGROUND FROM IONOSPHERIC RADIATION AND
SCATTERING (U),
38 P, (S)

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JDR01A-2-100

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copy: 1 id: 84407-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: JDR05-1-001
AUTH: CONRAD E.E. ; HAAS P.H. ; KEISTER G.L. ; VAN LINT V.A.J.
CLSS: SRD
CORP: ARMY/HARRY DIAMOND LABORATORIES (WASHINGTON-D.C.) ;
DEFENSE ATOMIC
SUPPORT AGENCY (WASHINGTON-D.C.) ; BOEING AIRCRAFT
COMPANY
(SEATTLE-WASHINGTON) ; GD/GENERAL ATOMIC DIVISION (SAN
DIEGO-CALIFORNIA)

DATE: 6704
DESC: Nuclear RDT&E Research Program Descriptions electronic
vulnerability
SUJO: 4-170-000
SYMJ: JOURNAL OF MISSILE DEFENSE RESEARCH (U), VOLUME V, NO.
1, (SRD),

PAGE 1, JUNE 1967

TEMP: 55763

TITL: ANALYSIS AND TESTING OF MILITARY ELECTRONICS SYSTEMS IN
A NUCLEAR WEAPON RADIATION ENVIRONMENT (U), 29 P (SRD)

TREE: 641

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JDR05-1-001
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: JDR05-3-161
AUTH: BRUECKNER K.A.
CLSS: S
CORP: UNIVERSITY OF CALIFORNIA (SAN DIEGO-CA)
DATE: 6706
DESC: Radiation Transport x-ray
DESC: THEORY
REPN: JMDR 68 2
SUJO: 9-640-000
TITL: TRANSPORT OF POLARIZED X-RAYS (U), 2 P (S)
TREE: 980

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JDR05-3-161
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: MAD391987
ADNO: AD 391987
AUTH: KRONENBERG S. ; LUX R.
CLSS: S 1
CORP: ARMY ELECTRONICS COMMAND (FORT MONMOUTH NJ)
DATE: 6800
TEMP: 67054
TITL: ENERGY FLUX DENSITY VECTOR SENSOR A NEW DIMENSION IN
NUCLEAR RADIATION SURVEY (U), CA. 13 P., (S)

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MAD391987
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: MAD648772
ADNO: 648772
AUTH: GOLDSTEIN N. ; MILLER W.G.
CLSS: U
CORP: NAVAL RADIOLOGICAL DEFENSE LAB. (SAN FRANCISCO, CA.)
DATE: 6802
REPN: NRDL TR 69 7
TITL: ELECTRON, X-RAY, AND GAMMA-RAY MEGARAD DOSIMETRY WITH
COLORED PLASTIC (U), 20 P., (U)

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MAD648772

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: MAD658043
ADNO: AD 658043
AUTH: FRENCH R.L.
CLSS: U
CONN: DA 49 146 XZ 479
CORP: RADIATION RESEARCH ASSOCIATES INCORPORATED (FORT
WORTH-TX)
DATE: 6702
REPN: CR 67 1 ; RRA T 71
TITL: CALCULATED GAMMA-RAY DOSE DISTRIBUTIONS IN A PHANTOM
EXPOSED TO FALLOUT AND SIMULATED FALLOUT, (U), 75 P (U)

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MAD658043

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: MCONF68033
AUTH: COFFER H.F. ; HIGGINS G.H.
CLSS: U
CORP: CER GEONUCLEAR CORP (LAS VEGAS NEV) ; LAWRENCE RADIATION
LAB (LIVERMORE CA)
DATE: 6800
REPN: CONF 680334 1
TITL: NUCLEAR EXPLOSIVES FOR OIL AND GAS STIMULATION AND SHALE
OIL RECOVERY (U), 36 P., (U)

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MCONF68033

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: MSCDC68246
AUTH: VORTMAN L.J.
CLSS: U
CORP: SANDIA CORPORATION (ALBUQUERQUE-NM)
DATE: 6810
REPN: SC-DC-68-2467
TITL: CLOSE-IN AIRBLAST FROM BURIED ROW CHARGES (U), CIRCA 60
P (U)
RADIATION (U), FINAL REPORT, CIRCA 180 P (U)

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: MUCRL10441
AUTH: ROMASHOV A.N. ; KHARIN D.A.
CLSS: U
CORP: LAWRENCE RADIATION LAB (LIVERMORE CA)
DATE: 6800
REPN: COLLECTION NO. 64/21 ; UCRL TRANS 10441
TITL: SEISMICS AND CRATERS FORMED BY EXPLOSIONS IN UNDERGROUND
BLASTS (U),
198 P., (U)

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MUCRL10441
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copy: 1 id: 88383-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: MUCRL50390
AUTH: LESSLER R.M. ; TEWES H.A. ; TOMAN J.
CLSS: U
CORP: LAWRENCE RADIATION LAB (LIVERMORE CA)
DATE: 6802
REPN: UCRL 50390 (REV. 1)
TITL: BUGGY PRESHOT ANALYSIS (U), 54 P., (U)

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MUCRL50390
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: MUCRL50504
ADNO: UCRL 50604
AUTH: RAPP E.G.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6810
REPN: UCRL 50604
TITL: CONTAINMENT OF BURIED NUCLEAR EXPLOSIONS (U), 20 P, (U)

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MUCRL50504

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: MUCRL50530
AUTH: LESSLER R.M.
CLSS: U
CORP: LAWRENCE RADIATION LAB (LIVERMORE CA)
DATE: 6811
REPN: UCRL 50530 (REV. 1)

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MUCRL50530

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: MUCRL72159
AUTH: LEWIS A.E.
CLSS: U
CORP: LAWRENCE RADIATION LAB
DATE: 6712
REPN: UCRL 72159
TITL: CHEMICAL MINING OF PRIMARY COPPER OREISIBY USE OF
NUCLEAR TECHNOLOGY
(U), 10 P., (U)

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MUCRL72159

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: PEP 3-1-05
AUTH: Storr T.H.
CLSS: U
CORP: Atomic Weapons Research Establishment
DATE: 6812
DESC: Simulation Facilities Techniques x-ray effects L1
DESC: EXPERIMENTAL
LA: UK
SUJO: 4-231-000
SYMJ: Pulsed Electrical Power Radiation Production Notes; Vol.
1, Notes
1-13 (U)

TITL: Generation and Transport of Electron Beams of Nu/Gamma
Greater than
Unity (U), 16 P., (U)

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PEP 3-1-05

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: PEP 3-1-06
ABS: This and the next three papers in this volume describe
some of the work which has been performed at AWRE in in the high
voltage electron beam field over the last few years.
Historically, the approach to the present position in the high current
beam area has been made from the radiographic point of view. Cathode
development in particular has been made with this in mind and hence,
for reasons outlined later, the major proportion of the work has
been with the so-called 'plasma' cathode in a nominally plane-parallel
electrode geometry. However, it is recognised that this approach
is not necessarily the best one for use in low impedance, high
deposition energy density applications where orthogonal electron
trajectories at the anode window may not necessarily be ideal.
ABS: Fortunately the fundamentals of the 'plasma' cathode,
once established, allow individual tailoring of electrode
geometries to suit specific requirements. The attraction of this form
of cathode

previous lay in the ability to define more precisely than with
study of divergent systems the entrance conditions for initial
electron beam behavior.

AUTH: Goodman M.J.
CLSS: U
CORP: Atomic Weapons Research Establishment
DATE: 6812
DESC: THEORY EXPERIMENTAL
DESC: Simulation Facilities Techniques x-ray effects L1
LA: UK
SUJO: 4-231-000
SYMJ: Pulsed Electrical Power Radiation Production Notes; Vol.
1, Notes 1-13

TITL: Production, Transport and Focussing of Electron Beams
with a Nu/Gamma Less than 1 (U), 28 P., (U)

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PEP 3-1-06

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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: PEP 3-1-07

ABS: Prepulse may be defined as an electric field appearing
within the vacuum diode section of a high speed electron pulse
generator prior to the arrival of the main generator pulse. Its
magnitude may vary between zero and roughly 10% of the main pulse amplitude
and its length is of the order of a microsecond.

AUTH: Forster D.W.
CLSS: U
CORP: Atomic Weapons Research Establishment
DATE: 6812
DESC: EXPERIMENTAL
DESC: Simulation Facilities Techniques x-ray effects L1
LA: UK
SUJO: 4-231-000
SYMJ: Pulsed Electrical Power Radiation Production Notes; Vol.
1-13 (U)
TITL: Prepulse and Other Factors Affecting Fine Self-Focussing
of Large Currents (U), 13 P., (U)

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PEP 3-1-07

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created: 12/27/1991 type: REPORT permanent
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INUM: PEP 3-2-16
ABS: The problem of space-charge-limited flow in a
relativistic planar
diode has been solved exactly. The approach used is to
solve
Poisson's equation for space-charge-limited flow,
assuming the
initial velocities of the accelerated particles are
zero, through
the use of two power series convergent in the voltage
range 0 less
or equal V less or equal 1.022 MV less or equal V less
or equal

infinity.
AUTH: Boers J.E. ; Kelleher D.
CLSS: U
CORP: Sandia Labs. (Albuquerque, NM)
DATE: 6811
DESC: Simulation Facilities Techniques x-ray effects L1
DESC: THEORY
SUJO: 4-231-000
SYMJ: Pulsed Electrical Power Radiation Production Notes; Vol.
2, Notes
14-27 (U)
TITL: Exact Solution of Poisson's Equation for
One-Dimensional,
Space-Charge-Limited, Relativistic Flow (U), 14 P., (U)

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PEP 3-2-16
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cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: PNE 0225
AUTH: MORK H.M. ; LARSON K.H. ; KOWALEWSKY B.W. ; WOOD R.A. ;
PAGLIA D.E.
; RHOADS W.A. ; GUILLOU R.B.
CLSS: U
CORP: UNIVERSITY OF CALIFORNIA (LOS ANGELES-CALIFORNIA)
DATE: 6702
DESC: test instruments nuclear radiation gamma
DESC: Nuclear Weapon Environment fallout down fraction
DESC: Nuclear Weapon Environment radiation decay isotopic half
lives
DESC: Nuclear Weapon Environment fallout accumulation rate

DESC: Environmental Conditions at Nuclear Weapon Test Site
 weather
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Environment Fallout Particles size
 distribution
 DESC: Nuclear Test Simulation Field Programs experiment design
 fallout
 radioactivity
 DESC: Nuclear Weapon Environment dust moisture injection
 atmosphere
 DESC: Nuclear Weapon Environment fallout transport
 DESC: Nuclear Weapon Environment radiation decay gamma decay
 DESC: test instruments nuclear radiation fallout debris
 sampling
 collectors
 DESC: Nuclear Weapon Environment fallout intensity contours
 patterns
 REPN: PNE 0225
 SHOT: SEDAN
 TSHO: UG-VENTED
 SUJO: 2-222-300 ; 2-222-400 ; 2-223-410 ; 2-223-420 ;
 2-224-200 ;
 2-225-100 ; 2-225-200 ; 2-225-400 ; 4-341-000 ;
 4-345-000 ;
 4-821-000 ; 4-841-000
 TITL: PART 1, CHARACTERISTICS OF FALLOUT FROM A DEEPLY BURIED
 NUCLEAR
 DETONATION FROM 7 TO 70 MILES FROM GROUND ZERO, PART 11,
 AERIAL
 RADIOMETRIC SURVEY, OPERATION PLOWSHARE, PROJECT SEDAN,
 FINAL REPORT
 (U), 114 P (U)
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 PNE 0225
 .endblock
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock
 INUM: PNE 0231
 AUTH: MISKEL J.A.
 CLSS: SRD
 CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
 DATE: 6707
 DESC: Nuclear Weapon Environment fallout fractionation
 DESC: Nuclear Weapon Environment Fallout isotope
 concentrations
 DESC: Nuclear Weapon Environment fallout intensity contours
 patterns
 DESC: Nuclear weapon test yield
 DESC: Nuclear Weapon Environment radiation decay
 DESC: Nuclear Weapon Environment fallout down fraction

DESC: EXPERIMENTAL
 REPN: PNE 0231
 SHOT: SEDAN
 TSHO: UG-VENTED
 SUJO: 2-223-100 ; 2-223-400 ; 2-223-500 ; 2-225-100 ;
 2-225-200 ;
 4-835-000
 TEMP: 55521
 TITL: RADIOCHEMICAL STUDIES, FINAL REPORT, PROJECT SEDAN (U),
 19 P (SRD)
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 PNE 0231
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 copy: 1 id: 88894-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: PNE 0900 R1
 AUTH: ROHRER R. ; TERHUNE R.W.
 CLSS: U
 CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
 DATE: 6708
 DESC: Nuclear Weapon Environment Ground Shock motion strain
 fracture
 displacement particle velocity L1
 DESC: PLOWSHARE ; EXPERIMENTAL
 REPN: PNE 900F REV. I
 SHOT: PALANQUIN
 TSHO: UG-VENTED
 SUJO: 2-621-000
 TITL: GROUND MOTION; PROJECT PALANQUIN (U), 46 P., (U)
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 PNE 0900 R1
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 copy: 1 id: 88963-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: PNE 0906
 AUTH: STEARNS R.T. ; MEYER G.L. ; HANSEN S.M.
 CLSS: U
 CORP: LAWRENCE RADIATION LAB. (MERCURY, NV.) ; LAWRENCE
 RADIATION LAB.
 (LIVERMORE, CA.)
 DATE: 6801
 DESC: Environmental Conditions at Nuclear Weapon Test Site
 geology L1
 DESC: PLOWSHARE ; EXPERIMENTAL
 REPN: PNE 0906
 SHOT: PALANQUIN

TSHO: SURFACE
 SUJO: 4-842-000
 TITL: PRESHOT GEOPHYSICAL PROPERTIES OF PALANQUIN CRATER SITE;
 PROJECT PALANQUIN (U), 28 P., (U)

.block
 PNE 0906
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 copy: 1 id: 88968-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

INUM: PNE 0909
 AUTH: SCHWARTZ L.L.
 CLSS: SRD
 CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
 DATE: 6707
 DESC: Nuclear Weapon Environment fallout down fraction
 DESC: Nuclear weapon test yield
 DESC: Nuclear weapon test device physical operation
 construction geometry
 materials components
 DESC: Nuclear weapon test burn performance
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Environment fallout intensity contours
 patterns
 DESC: Nuclear Weapon Environment fallout fractionation
 DESC: Nuclear Weapon Environment radiation decay
 DESC: Nuclear Weapon Environment Ground Shock throwout
 projectiles
 DESC: Nuclear Weapon Phenomenology cloud shape size
 DESC: Nuclear Weapon Environment Ground Shock craters
 excavations
 DESC: Nuclear Weapon Environment Fallout gamma intensities
 spectra
 REPN: PNE 0909
 SHOT: PALANQUIN
 TSHO: UG-VENTED
 SUJO: 2-223-200 ; 2-223-400 ; 2-223-500 ; 2-224-140 ;
 2-225-100 ;
 2-225-200 ; 2-625-000 ; 2-626-000 ; 4-835-000 ;
 4-836-000 ;
 4-837-000
 TEMP: 55523
 TITL: RADIOCHEMICAL DIAGNOSTIC MEASUREMENTS ON THE PALANQUIN
 EVENT OF
 OPERATION WETSTONE, PROJECT PALANQUIN, FINAL REPORT (U),
 50 P (SRD)

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 PNE 0909
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copy: 1 id: 88970-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: PNE 0953
AUTH: RAMSPOTT L.D. ; STEARNS R.T. ; MEYER G.L.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6804
DESC: Environmental Conditions at Nuclear Weapon Test Site
geology L1
REPN: PNE 0953
SHOT: CABRIOLET
SUJO: 4-842-000
TITL: PRESHOT GEOPHYSICAL STUDIES OF CABRIOLET NUCLEAR CRATER
SITE (U), 24
P, (U)

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PNE 0953

.endblock

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copy: 1 id: 88975-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: PNE 0955
AUTH: COHEN J.J.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6806
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Phenomenology cloud development rise L1
REPN: PNE 0955
SHOT: CABRIOLET
TSHO: UG-VENTED
SUJO: 2-224-100
TITL: CABRIOLET: SPECIAL CLOUD CONTENT STUDIES (U), 20 P, (U)
14 P, (U)

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PNE 0955

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copy: 1 id: 88977-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: PNE 0956
AUTH: PLATT R.B. ; RHOADS W.A.
CLSS: U
CONN: AT 29 1 1183 ; AT 40 1 2412 ; AT 11 1 1731 ; AT 04 1 GEN

CORP: EMORY UNIVERSITY (ATLANTA-GA) , EG & G (GOLETA-CA)
DATE: 6808
DESC: Nuclear Weapon Environment Fallout beta intensities
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects on plants ionizing radiation
prompt
DESC: Nuclear Weapon Environment Fallout gamma intensities
spectra
DESC: test instruments nuclear radiation beta electron beams
DESC: test instruments thermal temperature
DESC: Nuclear Weapon Effects on plants ionizing radiation
chronic external
REPN: PNE 0956
SHOT: CABRIOLET
TSHO: UG-VENTED
SUJO: 2-223-200 ; 2-223-300 ; 3-332-100 ; 3-332-210 ;
4-344-000 ;
4-384-000
TITL: ECOLOGICAL AND ENVIRONMENTAL EFFECTS FROM LOCAL FALLOUT
FROM
CABRIOLET. I. RADIATION DOSES AND SHORT-TERM EFFECTS ON
THE
VEGETATION FROM CLOSE-IN FALLOUT (U), 65 P, (U)

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PNE 0956

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copy: 1 id: 88978-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: PNE 1001
AUTH: HOLZER F.
CLSS: U
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6711
DESC: PLOWSHARE ; SUMMARY
DESC: Nuclear Energy Peaceful Applications resource production
gas L1
DESC: Environmental Conditions at Nuclear Weapon Test Site
geology L1
DESC: Nuclear Weapon Environment Ground Shock motion strain
fracture

displacement particle velocity L1

REPN: PNE 1001 ; TID 4500

SHOT: GASBUGGY

TSHO: UG-CONTAINED

SUJO: 2-621-000 ; 3-483-100 ; 4-842-000

TITL: GASBUGGY PRESHOT SUMMARY REPORT (U), 20 P., (U)

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PNE 1001

.endblock

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copy: 1 id: 88986-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: PNE 1003
AUTH: HOLZER F.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CA)
DATE: 6801
DESC: Nuclear Weapon Environment Ground Shock motion strain
fracture displacement particle velocity
DESC: EXPERIMENTAL
REPN: PNE 1003 ; UCRL 50386
SHOT: GASBUGGY
TSHO: UG-CONTAINED
SUJO: 2-621-000
TITL: GASBUGGY PRELIMINARY POSTSHOT SUMMARY REPORT (U), 16 P
(U)

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PNE 1003

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copy: 1 id: 88988-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: PNE 1105
AUTH: POWER D.V.
CLSS: U
CORP: LAWRENCE RADIATION LABORATORY (LIVERMORE-CALIFORNIA)
DATE: 6707
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Ground Shock craters
excavations
DESC: Nuclear weapon test timing position firing data
DESC: Environmental Conditions at Nuclear Weapon Test Site
geology
DESC: Nuclear Weapon Effects structures aboveground dams
DESC: Nuclear Weapon Environment Ground Shock velocity arrival
time spectrum duration
REPN: PNE 1105
SHOT: PRE GONDOLA 1
SUJO: 2-622-000 ; 2-625-000 ; 3-253-000 ; 4-834-000 ;
4-842-000
TITL: INTERMEDIATE RANGE GROUND MOTIONS, PROJECT PRE-GONDOLA
1 (U), 46 P
(U)

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PNE 1105

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copy: 1 id: 89000-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: PNE 1108
ADNO: 735656
AUTH: DAY W.C. ; ROHRER R.F.
CLSS: U
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6707
DESC: Nuclear Weapon Phenomenology cloud shape size
DESC: Environmental Conditions at Nuclear Weapon Test Site
weather
DESC: Nuclear Weapon Phenomenology base surge
DESC: SIMULATION (HE) ; EXPERIMENTAL
REPN: PNE 1108
SHOT: PRE GONDOLA 1
TSHO: SURFACE
SUJO: 2-224-120 ; 2-224-140 ; 4-841-000
TITL: PROJECT PRE-GONDOLA I, CLOUD DEVELOPMENT STUDIES (U), 73
P., (U)

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PNE 1108
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copy: 1 id: 89004-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: PNE 1110
ADNO: 735659
AUTH: OBLANAS J.W. ; COLLIS R.T.H.
CLSS: U
CORP: STANFORD RESEARCH INSTITUTE (MENLO PARK, CA.)
DATE: 6701
DESC: Nuclear Weapon Environment fallout transport L1
DESC: test instruments nuclear radiation fallout debris
sampling

collectors L1 LIDAR
DESC: SIMULATION (HE) ; EXPERIMENTAL
DESC: Nuclear Weapon Phenomenology cloud development rise L1
DESC: Nuclear Weapon Environment dust moisture injection
atmosphere L1
REPN: PNE 1110
SHOT: PRE GONDOLA 1
TSHO: UG-VENTED
SUJO: 2-222-400 ; 2-224-100 ; 2-224-200 ; 4-345-000
TITL: PROJECT PRE-GONDOLA I, LIDAR OBSERVATIONS OF THE
PRE-GONDOLA I
CLOUDS (U), CA.50 P., (U)

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PNE 1110
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copy: 1 id: 89005-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: PNE 1111
ADNO: 735666
AUTH: STEARNS R.T. ; RAMBO J.T.
CLSS: U
CORP: LAWRENCE RADIATION LAB. (MERCURY, NV.)
DATE: 6704
DESC: Environmental Conditions at Nuclear Weapon Test Site
geology L1
DESC: PLOWSHARE ; EXPERIMENTAL
REPN: PNE 1111
SHOT: PRE GONDOLA 1
SUJO: 4-842-000
TITL: PRESHOT GEOPHYSICAL MEASUREMENTS; PROJECT PRE-GONDOLA I
(U), 58 P.,
(U)

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PNE 1111
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copy: 1 id: 89006-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: PNE 1115
AUTH: POWER D.V.
CLSS: U
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.)
DATE: 6804
DESC: Nuclear Weapon Environment Ground Shock seismic
measurements L1
DESC: Nuclear Weapon Environment Ground Shock motion strain
fracture
displacement particle velocity L1
DESC: PLOWSHARE SIMULATION (HE) ; THEORY EXPERIMENTAL
REPN: PNE 1115 ; UCRL 50433
SHOT: PRE GONDOLA
TSHO: UG-VENTED
SUJO: 2-620-300 ; 2-621-000
TITL: INTERMEDIATE RANGE GROUND MOTIONS FOR PRE-GONDOLA II AND
ASSOCIATED
EVENTS (U), 70 P., (U)

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PNE 1115
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copy: 1 id: 89010-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: PNE 1200
CLSS: U
CORP: COLUMBIA GAS SYSTEM SERVICE CORP. ; ATOMIC ENERGY
COMMISSION (SAN
FRANCISCO, CA.) ; LAWRENCE RADIATION LAB. (LIVERMORE,
CA.) ; BUREAU
OF MINES
DATE: 6707
DESC: Nuclear Energy Peaceful Applications resource production
gas L1
DESC: KETCH PLOWSHARE ; TABULAR
DESC: Nuclear Weapon Environment Ground Shock motion strain
fracture
displacement particle velocity L1
DESC: Nuclear Weapon Environment Ground Shock cavities
subsidence collapse
L1
REPN: PNE 1200
TSHO: UG-CONTAINED
SUJO: 2-621-000 ; 2-627-000 ; 3-483-100
TITL: PROJECT KETCH (A FEASIBILITY STUDY ON CREATING NATURAL
GAS STORAGE
WITH NUCLEAR EXPLOSIONS) (U), 55 P., (U)

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PNE 1200
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copy: 1 id: 89016-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: PNE 1300
CLSS: U
CORP: ATOMIC ENERGY COMMISSION (SAN FRANCISCO, CA.) ; BUREAU
OF MINES ;
LAWRENCE RADIATION LAB. (LIVERMORE, CA.) ; KENNECOTT
COPPER
CORPORATION
DATE: 6706
DESC: Nuclear Weapon Environment Ground Shock motion strain
fracture
displacement particle velocity L5
DESC: SLOOP PLOWSHARE
DESC: Nuclear Weapon Environment Ground Shock cavities
subsidence collapse
L1
DESC: Nuclear Energy Peaceful Applications resource production
quarrying

L1 COPPER ORE PRODUCTION
 REPN: PNE 1300
 SUJO: 2-621-000 ; 2-627-000 ; 3-483-500
 TITL: SLOOP (U), 44 P., (U)
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 PNE 1300
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: POIR 2719
 ADNO: 380199L
 AUTH: SHALLHORN D.R. ; BOESCH H.E.
 CLSS: SRD
 CORP: ARMY/HARRY DIAMOND LABORATORIES (WASHINGTON-D.C.)
 DATE: 6703
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors
 vacuum tubes dielectrics relays switches
 DESC: Nuclear Weapon Environment Prompt Neutron source
 strength total
 fluence
 DESC: Nuclear Weapon Effects materials plastics resins L1
 POLYETHYLENE
 TEFLON
 DESC: Nuclear Weapon Environment Initial Gamma source strength
 total
 intensity
 DESC: Nuclear Test Simulation Field Programs experiment design
 electrical
 electronic cable noise instrumentation links
 EFFT: TREE ; GAMMA ; NEUTRONS
 REPN: POIR 2719
 SHOT: PIN STRIPE
 TSHO: UG-CONTAINED
 SUJO: 1-110-000 ; 1-710-000 ; 3-229-000 ; 3-244-000 ;
 4-829-500
 TEMP: 59531
 TITL: RADIATION-INDUCED CONDUCTIVITY IN POLYETHYLENE AND
 TEFLON
 CAPACITORS, OPERATION SILVER BELL, SHOT PIN STRIPE,
 PROJECT OFFICERS
 INTERIM REPORT PROJECT 2.12(U), 68 P (SRD)
 TREE: 370
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 POIR 2719
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 copy: 1 id: 89283-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent
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INUM: POIR 2721
ADNO: 380049L
AUTH: KERRIS K.G.
CLSS: SRD
CORP: HUGHES AIRCRAFT COMPANY (FULLERTON-CALIFORNIA)
DATE: 6702
DESC: EXPERIMENTAL
DESC: Nuclear Test Simulation Field Programs experiment design
electrical
electronic cable noise instrumentation links
DESC: Nuclear Weapon Effects electrical mechanical cables
wires
REPN: POIR 2721 ; WT 2721 (POIR)
SHOT: PIN STRIPE
TSHO: UG-CONTAINED
SUJO: 3-231-000 ; 4-829-500
TEMP: 53932
TITL: RADIATION EFFECTS TEST ON NONDISPERSIVE CABLES,
OPERATION SILVER
BELL, SHOT PIN STRIPE, PROJECT 2.14 (U), 50 P (SRD)
TREE: 390

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POIR 2721

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copy: 1 id: 89285-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: POIR 6232
AUTH: ORMSBY P.A. ; MOORHEAD D.W. ; THOMAS W.B.
CLSS: SRD
CORP: ARMY/MISSILE COMMAND (REDSTONE ARSENAL-ALABAMA)
DATE: 6806
DESC: Nuclear Weapon Effects ordnance electroexplosive devices
fuses
DESC: Nuclear Weapon Effects materials plastics resins
DESC: Nuclear Weapon Effects reentry systems RV
DESC: Nuclear Weapon Effects ordnance propellants solid
DESC: EXPERIMENTAL
REPN: POIR 6232
SHOT: MIDI MIST
TSHO: UG-CONTAINED
SUJO: 3-113-000 ; 3-162-000 ; 3-164-000 ; 3-244-000
TEMP: 59012
TITL: HARDENING OF MISSILE STRUCTURES AGAINST NUCLEAR
RADIATION PART 1,
PYROTECHNICSPART 2, OF OPERATION LATCH KEY, SHOT MIDI
MIST, PROJECT
OFFICERS INTERIM REPORT PROJECT 8.34 (U), 115 P (SRD)

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POIR 6232
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copy: 1 id: 89319-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: POIR 6245
AUTH: DUKE W.L.
CLSS: SRD
CONN: AF 30 (602) 4341
CORP: AIR FORCE/ROME AIR DEVELOPMENT CENTER (ROME-NEW YORK)
DATE: 6807
DESC: Nuclear Weapon Environment Prompt Neutron energy
spectrum
DESC: Nuclear Weapon Environment X-ray Output energy spectrum
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes
silicon-controlled rectifiers
REPN: POIR 6245
SHOT: MIDI MIST
TSHO: UG-CONTAINED
SUJO: 1-120-000 ; 1-620-000 ; 3-221-000 ; 3-222-000
TEMP: 59197
TITL: RADIATION VULNERABILITY OF MICROCIRCUITS, OPERATION
LATCH KEY, SHOT
MIDI MIST, PROJECT OFFICERS INTERIM REPORT PROJECT 8.85
(U), 215 P
(SRD)

TREE: 320
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POIR 6245
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copy: 1 id: 89324-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: POIR 6255
AUTH: SACCENTI J.C. ; KRIAL N.P.
CLSS: SRD
CORP: ARMY/NUCLEAR DEFENSE LABORATORY
(EDGEWOOD ARSENAL-MARYLAND)
DATE: 6805
DESC: Nuclear Weapon Environment Prompt Neutron source
strength total
fluence
DESC: Nuclear Weapon Environment Initial Gamma source strength

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total
      intensity
DESC:   Nuclear Test Simulation Field Programs experiment design
gamma
      experiments
DESC:   Nuclear Test Simulation Field Programs experiment design
neutron
      experiments
DESC:   EXPERIMENTAL
REPN:   POIR 6255
SHOT:   MIDI MIST
TSHO:   UG-CONTAINED
SUJO:   1-110-000 ; 1-710-000 ; 4-820-300 ; 4-820-400
TEMP:   57731
TITL:   NEUTRON FLUENCE AND GAMMA-RADIATION EXPOSURE
MEASUREMENTS, OPERATION
      LATCH KEY, SHOT MIDI MIST, PROJECT OFFICERS INTERIM
REPORT PROJECT
      9.53 (U), 42 P (SRD)
TREE:   910 ; 920
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      POIR 6255
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      copy: 1   id: 89326-1001       library: DOCUMENT   price: $.00
      cat1:    cat2:   home: STACKS   current: STACKS
      created: 12/27/1991 type: REPORT permanent
.endblock

INUM:   POIR 6502
ADNO:   384785
AUTH:   TRIMMER P.A.
CLSS:   SRD
CORP:   ARMY/HARRY DIAMOND LABORATORIES (WASHINGTON-D.C.)
DATE:   6710
DESC:   EXPERIMENTAL
DESC:   Nuclear Weapon Effects electronic pieceparts transistors
diodes
      silicon-controlled rectifiers
DESC:   Nuclear Weapon Environment Prompt Neutron source
strength total
      fluence
DESC:   Nuclear Weapon Environment Initial Gamma source strength
total
      intensity
DESC:   Nuclear Weapon Effects missile systems tactical
DESC:   Nuclear Weapon Effects electronic subsystems analysis
circuit
      network
DESC:   Nuclear Weapon Effects ordnance bombs mines warheads
REPN:   POIR 6502
SHOT:   NEW POINT
TSHO:   UG-CONTAINED ; LOW-ALT ; HI-ALT
SUJO:   1-110-000 ; 1-710-000 ; 3-112-300 ; 3-161-000 ;

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3-219-000 ;
 3-221-000
 TEMP: 55927
 TITL: NUCLEAR RADIATION SUSCEPTIBILITY OF FM/CW FUZE CIRCUITS,
 OPERATION
 MILD WIND, SHOT NEW POINT, PROJECT OFFICERS INTERIM
 REPORT, PROJECT
 2.2 (U) 60 P (SRD)
 TREE: 392
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 POIR 6502
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 .block
 copy: 1 id: 89330-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: POIR 6507
 ADNO: 389723L
 AUTH: KRONENBERG S. ; NILSON K. ; PFEFFER R. ; BERKOWITZ H. ;
 BASSO M. ;
 VAN GORDEN H. ; LEWIS E. ; COHEN A.E.
 CLSS: SRD
 CORP: ARMY/ELECTRONICS COMMAND (FORT MONMOUTH-NEW JERSEY)
 DATE: 6804
 DESC: Nuclear Weapon Environment Initial Gamma source strength
 total
 intensity
 DESC: EXPERIMENTAL THEORY
 DESC: Nuclear Weapon Environment Prompt Neutron energy
 spectrum
 DESC: Nuclear Weapon Environment Prompt Neutron source
 strength total
 fluence
 DESC: test instruments nuclear radiation neutron
 DESC: Nuclear Weapon Environment Prompt Neutron dose rate
 pulse width
 REPN: POIR 6507
 SHOT: NEW POINT
 TSHO: UG-CONTAINED
 SUJO: 1-110-000 ; 1-120-000 ; 1-140-000 ; 1-710-000 ;
 4-342-000
 TEMP: 57898
 TITL: TEST OF FAST-NEUTRON SPECTROSCOPE, OPERATION MILD WIND,
 SHOT NEW
 POINT, PROJECT OFFICERS INTERIM REPORT PROJECT 2.7 (U),
 75 P (SRD)
 TREE: 652
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 POIR 6507
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 copy: 1 id: 89334-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: POIR 6508
ADNO: 384728L
AUTH: KINCH J.W. ; CALDWELL P.A. ; LUNDBERG C.W. ; JAMES R.H.
; KORKOWSKI
V.J. ; KAISNER R.W. ; GILMOUR G.A. ; KALAPACA H.P. ;
WELDON T.P.
CLSS: SRD
CONN: DA 18 035 AMC 393 (A)
CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD
ARSENAL-MARYLAND) ; SPERRY
RAND CORP./UNIVAC DIV. (ST. PAUL-MINNESOTA) ; ARMY/HARRY
DIAMOND
LABORATORIES (WASHINGTON-D.C.) ; WESTINGHOUSE RESEARCH
AND
DEVELOPMENT CENTER (PITTSBURGH-PENNSYLVANIA).
DATE: 6709
DESC: Nuclear Test Simulation Field Programs experiment design
neutron
experiments
DESC: Nuclear Weapon Environment Prompt Neutron energy
spectrum
DESC: test instruments nuclear radiation neutron
DESC: EXPERIMENTAL
DESC: test instruments nuclear radiation gamma
DESC: Nuclear Weapon Environment Prompt Neutron dose rate
pulse width
DESC: Nuclear Weapon Environment Initial Gamma energy spectrum
REPN: POIR 6508
SHOT: NEW POINT
TSHO: UG-CONTAINED ; HI-ALT
SOCE: DEV-80 ; DEV-1
SUJO: 1-120-000 ; 1-140-000 ; 1-720-000 ; 4-341-000 ;
4-342-000 ;
4-820-300
TEMP: 55924
TITL: TEST OF BLUE ROCK PROTOTYPE INSTRUMENTATION, OPERATION
MILD WIND,
SHOT NEW POINT, PROJECT OFFICERS INTERIM REPORT PROJECT
2.8 (U), 194
P (SRD)
TREE: 651 ; 652
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POIR 6508
.endblock
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copy: 1 id: 89335-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
.endblock

INUM: POIR 6509
 ADNO: 384847L
 AUTH: UNGVARSKY J.J. ; ALMOND H.B.
 CLSS: SRD
 CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
 BASE-NEW MEXICO) ;
 BOEING AIRCRAFT COMPANY (SEATTLE-WASHINGTON)
 DATE: 6710
 DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse
 width
 DESC: Nuclear Weapon Environment Initial Gamma energy spectrum
 DESC: Nuclear Weapon Effects electronic subsystems analysis
 circuit
 network
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers
 DESC: test instruments nuclear radiation neutron
 DESC: test instruments nuclear radiation gamma
 DESC: Nuclear Test Simulation Field Programs experiment design
 electrical
 electronic cable noise instrumentation links
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Environment Initial Gamma source strength
 total
 intensity
 REPN: POIR 6509 ; WT 6509 (POIR)
 SHOT: NEW POINT
 TSHO: UG-CONTAINED ; HI-ALT
 SUJO: 1-710-000 ; 1-720-000 ; 1-740-000 ; 3-219-000 ;
 3-221-000 ;
 4-341-000 ; 4-342-000 ; 4-829-500
 TEMP: 55926
 TITL: TRANSIENT RADIATION EFFECTS ON ELECTRONICS, OPERATION
 MILD WIND,
 SHOT NEW POINT, PROJECT OFFICERS INTERIM REPORT, PROJECT
 2.9, (U),
 203 P (SRD)
 TREE: 310
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 POIR 6509
 .endblock
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 copy: 1 id: 89336-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: POIR 6510
 ADNO: 386814L
 AUTH: DUKE W.L.
 CLSS: SRD
 CORP: AIR FORCE/ROME AIR DEVELOPMENT CENTER (ROME-NEW YORK) ;
 BOEING

AIRCRAFT COMPANY (SEATTLE-WASHINGTON)
 DATE: 6712
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Environment Initial Gamma source strength
 total
 intensity
 DESC: test instruments nuclear radiation neutron
 DESC: Nuclear Weapon Environment Prompt Neutron source
 strength total
 fluence
 DESC: Nuclear Weapon Effects electronic pieceparts integrated
 circuits
 REPN: POIR 6510 ; WT 6510 (POIR)
 SHOT: NEW POINT
 TSHO: UG-CONTAINED
 SUJO: 1-110-000 ; 1-710-000 ; 3-222-000 ; 4-342-000
 TEMP: 57611
 TITL: MICROELECTRONICS FIELD TEST, OPERATION MILD WIND, SHOT
 NEW POINT,
 PROJECT OFFICERS INTERIM REPORT PROJECT 2.10 (U), 176 P
 (SRD)
 TREE: 320
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 POIR 6510
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 copy: 1 id: 89337-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: POIR 6514
 ADNO: 390117L
 AUTH: PAITCHEL H. ; BROWN H. ; FOUSE R.R. ; LASHBROK R.
 CLSS: SRD
 CORP: ARMY/PICATINNY ARSENAL (DOVER-NEW JERSEY) ;
 NORTHROP/NORTRONICS
 (NEWBURY PARK-CALIFORNIA)
 DATE: 6804
 DESC: Nuclear Test Simulation Field Programs experiment design
 materials
 DESC: Nuclear Weapon Effects ordnance electroexplosive devices
 fuses
 DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse
 width
 DESC: Nuclear Weapon Environment Initial Gamma source strength
 total
 intensity
 DESC: Nuclear Weapon Environment Prompt Neutron energy
 spectrum
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Environment Prompt Neutron source
 strength total
 fluence

EFFT: NUCLEAR RADIATION
 REPN: POIR 6514 ; WT 6514 (POIR)
 SHOT: NEW POINT
 TSHO: UG-CONTAINED
 SUJO: 1-110-000 ; 1-120-000 ; 1-710-000 ; 1-740-000 ;
 3-162-000 ; 4-829-600
 TEMP: 61147
 TITL: EXPOSURE OF THREE TYPES OF ELECTROEXPLOSIVE DEVICES TO
 NUCLEAR COUNTERMEASURES, OPERATION MILD WIND, SHOT NEW POINT,
 PROJECT OFFICERS INTERIM REPORT PROJECT2.14 (U), 183 P (SRD)
 TREE: 394
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 POIR 6514
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 copy: 1 id: 89339-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: POR 2511
 ABS: Operation Roller Coaster was a joint United States and
 United Kingdom experiment to determine plutonium hazards from
 accidents with plutonium bearing weapons. Four chemical
 detonations involved such weapons. Detectable quantities of plutonium were
 released to off-site locations, but contamination levels did not
 present a significant hazard. Sampling methods are described and
 discussed with recommendations. The biological significance of
 plutonium is related to hazard evaluation. Certain recommendations
 are discussed for emergency procedures in the event of an accident
 ADNO: 839370
 AUTH: COOGAN J. S. ; WAIT D. L. ; WALIGORA S. J. JR.
 CLSS: U
 CORP: PUBLIC HEALTH SERVICE (LAS VEGAS-NEVADA)
 DATE: 6809
 DESC: Nuclear weapon safety radiological
 REPN: POR 2511 ; WT 2511
 SUJO: 4-838-100
 TITL: OFF-SITE SURVEY, OPERATION ROLLER COASTER, PROJECT
 OFFICERS REPORT PROJECT 2.8, FINAL REPORT (U), 95 P (U)
 TNFF: 8859
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POR 2511
.endblock
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copy: 1 id: 89557-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: POR 2512
ABS: Eighty-four dogs, 132 sheep, and 84 burros were allowed to breathe from the cloud generated by the high-explosive detonation of a plutonium-bearing nuclear weapon simulant. No nuclear yield was present in the explosion. Animals were sacrificed serially from H + 1 hour to D + 2 1/2 years to quantitate initial tissue burdens, to establish lung clearance kinetics, and to determine extent of translocation to other organs. Ten dogs and ten sheep were exposed in a similar trial in which more explosive was used and the weapon simulants were housed in a typical earth-covered high-explosive storage magazine, to establish in a limited way if the admixed earth in any way effected the clearance kinetics. Half of those animals were sacrificed on D + 3, The remainder on D + 7.
ABS: Calculated initial depositions in the animals were found to encompass the deposition postulated for man exposed to a similar aerosol, although the estimate of deposition in animals is somewhat sensitive to the mathematical treatment used in analyzing the data. Clearance in dogs and burros was found to be somewhat more rapid than similar measurements on laboratory dogs exposed to pure PU02; clearance in sheep was much more rapid, and the usefulness of this species is questionable. No translocation was observed except in those animals exposed to the largest amounts of plutonium, and in these buildup occurred only in lymph nodes. In burros the species for which results are most reliable, lymph node benefit of

clearance earth-covered storage. It is believed that the altered concentration reached twenty percent of initial lung concentration in 456 days.

ABS: Initial lung concentrations were shown to be quite closely comparable among the three species if exposed to the same cloud integral of respirable aerosol, and it is proposed that these species in particular and probably other large animals can serve as monitors of exposure if sacrificed soon after an accident. The presence of large amounts of inert dust in the storage magazine trial resulted in a three-fold reduction in lung burden as compared to the dirt-free trial. This may be conservative, but the scarcity of data and the short duration of This Phase of the studies preclude any more precise estimate of the benefit of earth-covered storage.

It is believed that the altered clearance kinetics are those of the inert dust for which the plutonium serves as a tracer

ADNO: 840378L
AUTH: WILSON R.H. ; TERRY J.L.
CLSS: U
CORP: UNIVERSITY OF ROCHESTER (ROCHESTER-NY)
DATE: 6809
DESC: Nuclear weapon safety radiological
DESC: EXPERIMENTAL
REPN: POR 2512 ; WT 2512
SHOT: CLEAN SLATE 2
SUJO: 4-838-100
TITL: PLUTONIUM UPTAKE BY ANIMALS EXPOSED TO A NON-NUCLEAR
DETONATION OF A
PLUTONIUM-BEARING WEAPON SIMULANT, OPERATION ROLLER
COASTER, PROJECT
OFFICERS REPORT, PROJECT 4.1 (U), 156 P (U)
TNFF: 8859

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POR 2512

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copy: 1 id: 89558-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: POR 2702-1

ADNO: 383036L
 AUTH: UNGVARSKY J. ; KENNEDY S.L. ; COSTELLO J.A. ; CHEESEMAN
 C.E.
 CLSS: SRD
 CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
 BASE-NEW MEXICO) ;
 GENERAL ELECTRIC/REENTRY SYSTEMS DEPARTMENT
 (PHILADELPHIA-PENNSYLVANIA)
 DATE: 6707
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors
 vacuum tubes dielectrics relays switches
 DESC: Nuclear Weapon Effects electronic subsystems analysis
 circuit
 network
 REPN: POR 2702-1 ; WT 2702-1
 SHOT: WISH BONE
 TSHO: UG-CONTAINED
 SUJO: 3-219-000 ; 3-221-000 ; 3-229-000
 TEMP: 55108
 TITL: TRANSIENT RADIATION EFFECTS ON ELECTRONICS, FINAL
 REPORT, OPERATION
 SILVER BELL, PROJECT OFFICERS REPORT, PROJECT 2.3 (U),
 117 P (SRD)
 TREE: 330 ; 310
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 POR 2702-1
 .endblock
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 copy: 1 id: 89569-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: POR 2702-2
 ADNO: 379294L
 AUTH: UNGVARSKY T.T. ; KENNEDY S.O. ; COSTELLO J.A.
 CLSS: SRD
 CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
 BASE-NEW MEXICO)
 DATE: 6702
 DESC: test instruments nuclear radiation gamma
 DESC: Nuclear Weapon Effects electronic pieceparts measuring
 devices
 sensors detectors
 DESC: Nuclear Weapon Effects electronic subsystems analysis
 circuit
 network
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes

silicon-controlled rectifiers
 DESC: test instruments nuclear radiation neutron
 DESC: Nuclear Weapon Effects electrical mechanical cables
 wires
 DESC: test instruments nuclear radiation dosimeters radiacs
 DESC: EXPERIMENTAL THEORY
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors
 vacuum tubes dielectrics relays switches
 DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse
 width
 DESC: Nuclear Weapon Environment Prompt Neutron source
 strength total
 fluence
 DESC: Nuclear Test Simulation Field Programs experiment design
 electrical
 electronic cable noise instrumentation links
 REPN: POR 2702-2 ; WT 2702-2
 SHOT: WISH BONE
 TSHO: UG-CONTAINED ; LOW-ALT ; HI-ALT
 SUJO: 1-110-000 ; 1-740-000 ; 3-219-000 ; 3-221-000 ;
 3-224-000 ;
 3-229-000 ; 3-231-000 ; 4-341-000 ; 4-342-000 ;
 4-346-000 ;
 4-829-500
 TEMP: 53009
 TITL: TRANSIENT RADIATION EFFECTS ON ELECTRONICS, OPERATION
 SILVER BELL,
 SHOT WISHBONE, PROJECT OFFICERS REPORT, PROJECT 2.3 (U),
 461 P (SRD)
 TREE: 300
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 POR 2702-2
 .endblock
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 copy: 1 id: 89570-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: POR 2704
 ADNO: 385930L
 AUTH: KINCH J.W. ; ODELL A.A. JR.
 CLSS: SRD
 CONN: DA 18 035 AMC 270 (A) ; DA 49 146 XZ 366
 CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD
 ARSENAL-MARYLAND)
 DATE: 6712
 DESC: test instruments nuclear radiation gamma
 DESC: Nuclear Weapon Environment Prompt Neutron source
 strength total
 fluence
 DESC: Nuclear Weapon Environment Prompt Neutron energy
 spectrum

DESC: EXPERIMENTAL
 DESC: test instruments nuclear radiation neutron
 DESC: Nuclear Weapon Environment Initial Gamma source strength
 total
 intensity
 REPN: POR 2704 ; WT 2704
 SHOT: WISH BONE
 TSHO: UG-CONTAINED
 SUJO: 1-110-000 ; 1-120-000 ; 1-710-000 ; 4-341-000 ;
 4-342-000
 TEMP: 57379
 TITL: TESTING OF BLUE ROCK PROTOTYPE INSTRUMENTATION FOR
 INITIAL
 NEUTRON-SPECTRUM MEASUREMENTS, OPERATION SILVER BELL,
 SHOT WISH
 BONE, PROJECT OFFICERS REPORT PROJECT 2.5 (U), 60 P
 (SRD)
 TREE: 652
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 POR 2704
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 copy: 1 id: 89572-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
 .endblock

 INUM: POR 2706
 ADNO: 379869L
 AUTH: MCNEILLY J.H. ; JACOBSON J.R. ; HILTON C.G. ; NORRIS
 W.W. III
 CLSS: SRD
 CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD
 ARSENAL-MARYLAND)
 DATE: 6702
 DESC: Nuclear Weapon Environment Initial Gamma source strength
 total
 intensity
 DESC: Nuclear weapon test yield
 DESC: Nuclear Weapon Environment Prompt Neutron source
 strength total
 fluence
 DESC: Nuclear Weapon Environment Prompt Neutron energy
 spectrum
 DESC: test instruments nuclear radiation dosimeters radiacs
 DESC: test instruments nuclear radiation neutron
 DESC: EXPERIMENTAL
 REPN: POR 2706 ; WT 2706
 SHOT: WISH BONE
 TSHO: UG-CONTAINED ; LOW-ALT ; HI-ALT
 SUJO: 1-110-000 ; 1-120-000 ; 1-710-000 ; 4-342-000 ;
 4-346-000 ;
 4-835-000
 TEMP: 53180

TITLE: NEUTRON-FLUENCE AND GAMMA-RADIATION-EXPOSURE
MEASUREMENTS, OPERATION
SILVER BELL, SHOT WISH BONE, PROJECT OFFICERS REPORT,
PROJECT 2.7,

(U), 68 P (SRD)

TREE: 910 ; 920

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POR 2706

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copy: 1 id: 89574-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

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INUM: POR 2708

ADNO: 522350

AUTH: MCCOSKEY R.E. ; NICHOLAISEN G.A. ; PUTTCAMP R.R. ;
TRIMMER P.A. ;

UTECHT J.W. ; WICKLUND J.S.

CLSS: SRD 1

CORP: HARRY DIAMOND LABS. (WASH., D.C.)

DATE: 6706

DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits L1

DESC: Nuclear Weapon Effects ordnance electroexplosive devices
fuses (L1)

DESC: SIMULATION (PULSED REACTOR) SIMULATION (FLASH X-RAY) ;
EXPERIMENTAL

DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors

vacuum tubes dielectrics relays switches L1 CAPACITORS
DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes

silicon-controlled rectifiers L1

DESC: Nuclear Weapon Effects missile systems tactical L1

DESC: Nuclear Weapon Effects electronic subsystems recorders
amplifiers L1

HARDENED RECORDER

EFFT: TREE

REPN: POR 2708 ; WT 2708

SHOT: WISH BONE

TSHO: UG-CONTAINED

SUJO: 3-112-300 ; 3-162-000 ; 3-213-000 ; 3-221-000 ;
3-222-000 ;

3-229-000

SYST: LANCE ; SERGEANT ; NIKE-ZEUS

TEMP: A2736

TITL: TRANSIENT RADIATION RESPONSE OF FUZES AND A HARDENED
RECORDER;

REPORT OPERATION SILVER BELL, SHOT WISH BONE, PROJECT OFFICERS

-PROJECT 2.9 (U), 78 P., (SRD)

TREE: 394 ; 368

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POR 2708

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copy: 1 id: 89576-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

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INUM: POR 2714
ADNO: 389407L
AUTH: TRIMMER P.A.
CLSS: SRD
CORP: ARMY/HARRY DIAMOND LABORATORIES (WASHINGTON-D.C.)
DATE: 6804
DESC: Nuclear Weapon Effects reentry systems RV
DESC: Nuclear Weapon Effects ordnance electroexplosive devices
fuses
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects electronic subsystems analysis
circuit

network
REPN: POR 2714 ; WT 2714
SHOT: PIN STRIPE
TSHO: UG-CONTAINED
SUJO: 3-113-000 ; 3-162-000 ; 3-219-000
TEMP: 57903
TITL: SUSCEPTIBILITY OF A RADAR FUZE TO NUCLEAR RADIATION,
OPERATION
SILVER BELL, SHOT PIN STRIPE, PROJECT OFFICERS REPORT
PROJECT 2.5
(U), 43 P (SRD)
TREE: 396

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POR 2714
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copy: 1 id: 89580-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 2716
ADNO: 391360L
AUTH: MITCHELL J.T.
CLSS: SRD
CORP: NAVY/SPECIAL PROJECTS OFFICE (WASHINGTON-D.C.) ;
LOCKHEED MISSILES
AND SPACE COMPANY (SUNNYVALE-CALIFORNIA) ; MASSACHUSETTS
INSTITUTE
OF TECHNOLOGY (CAMBRIDGE-MASSACHUSETTS)
DATE: 6706
DESC: Nuclear Weapon Effects electronic subsystems analysis
circuit

network
 DESC: Nuclear Weapon Effects electronic subsystems recorders
 amplifiers
 DESC: Nuclear Weapon Effects missile systems strategic
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Environment Prompt Neutron source
 strength total
 fluence
 DESC: Nuclear Weapon Effects electronic subsystems computers
 memory
 DESC: Nuclear Weapon Environment Prompt Neutron energy
 spectrum
 EFFT: TREE ; NUCLEAR RADIATION
 REPN: POR 2716 ; WT 2716
 SHOT: PIN STRIPE
 TSHO: UG-CONTAINED
 SUJO: 1-110-000 ; 1-120-000 ; 3-112-100 ; 3-212-000 ;
 3-213-000 ;
 3-219-000
 TEMP: 61016
 TITL: FLEET BALLISTIC MISSILE ELECTRONIC EQUIPMENT, OPERATION
 SILVER BELL,
 SHOT PIN STRIPE, PROJECT OFFICERS REPORT PROJECT 2.9,
 FINAL REPORT
 (U), 269 P (SRD)
 TREE: 392
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 POR 2716
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 copy: 1 id: 89581-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: POR 2722
 ADNO: 392790L
 AUTH: WILSON J.R. ; WALTERS A.B.
 CLSS: SRD
 CORP: AVCO CORPORATION (WILMINGTON-MA)
 DATE: 6810
 DESC: Nuclear Weapon Effects ordnance electroexplosive devices
 fuses
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Effects electronic subsystems analysis
 circuit
 network
 DESC: Nuclear Test Simulation Field Programs experiment design
 aerospace
 systems
 EFFT: NUCLEAR RADIATION
 REPN: POR 2722 ; WT 2722
 SHOT: PIN STRIPE
 TSHO: UG-CONTAINED

SUJO: 3-162-000 ; 3-219-000 ; 4-829-100
 TEMP: 61637
 TITL: TRANSIENT RADIATION EFFECTS ON A SYSTEM, OPERATION
 SILVER BELL, SHOT
 PIN STRIPE, PROJECT OFFICERS REPORT-PROJECT 2.15 (U), 64
 P (SRD)
 TREE: 397
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 POR 2722
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 copy: 1 id: 89585-1001 library: DOCUMENT price: \$.00
 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: POR 2723
 AUTH: FINGER D.W. ; COX L.S.
 CLSS: U
 CORP: HARRY DIAMOND LABS. (WASH., D.C.)
 DATE: 6800
 DESC: EXPERIMENTAL
 DESC: Nuclear Weapon Effects electrical mechanical cables
 wires L5
 DESC: Nuclear Weapon Effects electronic pieceparts resistors
 capacitors
 vacuum tubes dielectrics relays switches L1 RESISTORS
 DESC: Nuclear Weapon Effects electronic subsystems analysis
 circuit
 network L1 TELEMETRY SYSTEM SCO-S
 DESC: Nuclear Weapon Effects electronic pieceparts transistors
 diodes
 silicon-controlled rectifiers L1 TRANSISTOR
 DESC: test instruments nuclear radiation dosimeters radiacs L5
 DESC: Nuclear Weapon Effects electronic subsystems recorders
 amplifiers L5
 DC INPUT AMPLIFIER
 EFFT: TREE
 REPN: POR 2723 ; WT 2723
 SHOT: PIN STRIPE
 TSHO: UG-CONTAINED
 SUJO: 3-213-000 ; 3-219-000 ; 3-221-000 ; 3-229-000 ;
 3-231-000 ;
 4-346-000
 TITL: TELEMETRY TEST; OPERATION SILVER BELL, SHOT PIN STRIPE,
 PROJECT
 OFFICERS REPORT--PROJECT 2.16 (U), 68 P., (U)
 TREE: 395
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 POR 2723
 .endblock
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 copy: 1 id: 89586-1001 library: DOCUMENT price: \$.00
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created: 12/27/1991 type: REPORT permanent
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INUM: POR 5002
ADNO: 379822L
AUTH: KERRIS K.G. ; COMPTON P.A. ; MARSHALL R.W.
CLSS: SRD
CORP: HUGHES AIRCRAFT COMPANY (FULLERTON-CALIFORNIA)
DATE: 6703
DESC: Nuclear Weapon Environment Prompt Neutron source
strength total
fluence
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse
width
DESC: Nuclear Weapon Effects electronic pieceparts integrated
circuits
DESC: Nuclear Weapon Environment Prompt Neutron dose rate
pulse width
DESC: Nuclear Weapon Environment Initial Gamma source strength
total
intensity
REPN: POR 5002 ; WT 5002
SHOT: DILUTED WATERS
TSHO: UG-CONTAINED
SUJO: 1-110-000 ; 1-140-000 ; 1-710-000 ; 1-740-000 ;
3-222-000
TEMP: 59369
TITL: MICROELECTRONIC CIRCUIT RADIATION TEST, OPERATION SILVER
BELL, SHOT
DILUTED WATERS, PROJECT OFFICERS REPORT PROJECT 2.2 (U),
112 P (SRD)
TREE: 320
.block
POR 5002
.endblock
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copy: 1 id: 89654-1001 library: DOCUMENT price: \$.00
cat1: cat2: home: STACKS current: STACKS
created: 12/27/1991 type: REPORT permanent
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INUM: POR 5003 1
ADNO: 385552L
AUTH: MCCARD H.K. ; VALLAS A.C.
CLSS: SRD
CORP: AVCO CORPORATION (WILMINGTON-MASSACHUSETTS)
DATE: 6711
DESC: Nuclear Weapon Effects electronic subsystems guidance
control
DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors
vacuum tubes dielectrics relays switches
DESC: Nuclear Test Simulation Field Programs experiment design

electrical
 electronic cable noise instrumentation links
 DESC: Nuclear Weapon Effects electronic subsystems analysis
 circuit
 network
 DESC: Nuclear Weapon Effects ordnance electroexplosive devices
 fuses
 DESC: Nuclear Weapon Effects electronic subsystems recorders
 amplifiers
 DESC: Nuclear Weapon Effects electronic pieceparts measuring
 devices
 sensors detectors
 DESC: EXPERIMENTAL
 REPN: POR 5003 1 ; WT 5003 1
 SHOT: DILUTED WATERS
 TSHO: UG-CONTAINED
 SUJO: 3-162-000 ; 3-211-000 ; 3-213-000 ; 3-219-000 ;
 3-224-000 ;
 3-229-000 ; 4-829-500
 TEMP: 57088
 TITL: RADIATION EFFECTS ON SLEIGH RIDE MOD 1R SUBSYSTEMS,
 OPERATION SILVER
 BELL, SHOT DILUTED WATERS, PROJECT OFFICERS REPORT,
 PROJECT 2.3 (U),
 477 P (SRD)
 TREE: 396
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 POR 5003 1
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 .block
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 cat1: cat2: home: STACKS current: STACKS
 created: 12/27/1991 type: REPORT permanent
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 INUM: POR 5004
 ADNO: 383844L
 AUTH: KENNEDY S.O. ; UNGVARSKY J.J. ; COSTELLO J.A.
 CLSS: SRD
 CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE
 BASE-NEW MEXICO)
 DATE: 6709
 DESC: EXPERIMENTAL
 DESC: test instruments nuclear radiation dosimeters radiacs
 DESC: Nuclear Test Simulation Field Programs experiment design
 electrical
 electronic cable noise instrumentation links
 DESC: Nuclear Weapon Environment Initial Gamma source strength
 total
 intensity
 DESC: Nuclear Weapon Effects electronic subsystems analysis
 circuit
 network
 DESC: Nuclear Weapon Effects electronic pieceparts transistors

diodes

silicon-controlled rectifiers

DESC: Nuclear Weapon Environment Prompt Neutron source
strength total

fluence

REPN: POR 5004 ; WT 5004

SHOT: DILUTED WATERS

TSHO: UG-CONTAINED

SUJO: 1-110-000 ; 1-710-000 ; 3-219-000 ; 3-221-000 ;
4-346-000 ;

4-829-500

TEMP: 55596

TITL: TRANSIENT RADIATION EFFECTS ON ELECTRONICS, OPERATION
SILVER BELL,

SHOT DILUTED WATERS, PROJECT OFFICERS REPORT, PROJECT
2.4 (U), 206 P

(SRD)

TREE: 310 ; 330

.block

POR 5004

.endblock

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copy: 1 id: 89656-1001 library: DOCUMENT price: \$.00

cat1: cat2: home: STACKS current: STACKS

created: 12/27/1991 type: REPORT permanent

.endblock

INUM: POR 5010

AUTH: CHIMENT J.A. ; VAN LINT V.A.J. ; NICHOLS D.K. ; HARRITY
J.W. ;

OVERMYER R.F. ; MALLON C.E. ; AMES M.R. ; MUHL W.O. ;
JOHNSTON W.N.

; HODGSON W.H. ; STAHL R.H.

CLSS: SRD

CONN: DA 49 146 XZ 395

CORP: GD/GENERAL ATOMIC DIVISION (SAN DIEGO-CALIFORNIA)

DATE: 6703

DESC: Nuclear Weapon Effects electronic pieceparts transistors
diodes

silicon-controlled rectifiers

DESC: EXPERIMENTAL THEORY

DESC: Nuclear Test Simulation Field Programs experiment design
electrical

electronic cable noise instrumentation links

DESC: Nuclear Weapon Effects electronic pieceparts resistors
capacitors

vacuum tubes dielectrics relays switches

REPN: POR 5010 ; WT 5010

SHOT: DILUTED WATERS

TSHO: UG-CONTAINED ; LOW-ALT ; HI-ALT

SUJO: 3-221-000 ; 3-229-000 ; 4-829-500

TEMP: 55482

TITL: RADIATION EFFECTS CORRELATION TESTS, OPERATION SILVER
BELL, SHOT

(U), 315 P DILUTED WATERS, PROJECT OFFICERS REPORT, PROJECT 2.11
 (SRD)
 TREE: 310
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 POR 5010
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 INUM: POR 5014
 ADNO: 383842L
 AUTH: CALDWELL P.A.
 CLSS: SRD
 CONN: DA 49 186 AMC 256 (X)
 CORP: ARMY/HARRY DIAMOND LABORATORIES (WASHINGTON-D.C.) ;
 BOEING AIRCRAFT
 COMPANY (SEATTLE-WASHINGTON)
 DATE: 6709
 DESC: THEORY EXPERIMENTAL
 DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse
 width
 DESC: test instruments nuclear radiation gamma
 DESC: Nuclear Weapon Environment Prompt Neutron source
 strength total
 fluence
 DESC: Nuclear Test Simulation Field Programs experiment design
 gamma
 experiments
 DESC: test instruments nuclear radiation neutron
 DESC: Nuclear Weapon Environment Prompt Neutron dose rate
 pulse width
 DESC: Nuclear Test Simulation Field Programs experiment design
 neutron
 experiments
 REPN: POR 5014 ; WT 5014
 SHOT: DILUTED WATERS
 TSHO: UG-CONTAINED
 SUJO: 1-110-000 ; 1-140-000 ; 1-740-000 ; 4-341-000 ;
 4-342-000 ;
 4-820-300 ; 4-820-400
 TEMP: 55592
 TITL: TRANSIENT RADIATION EFFECTS DOSIMETRY, OPERATION SILVER
 BELL, SHOT
 DILUTED WATERS, PROJECT OFFICERS REPORT, PROJECT 2.15,
 FINAL REPORT
 (U), 148 P (SRD)
 TREE: 655 ; 910 ; 920
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 POR 5014
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INUM: POR 5022
ADNO: 394879L
AUTH: SHAW F.E.
CLSS: SRD
CORP: NORTH AMERICAN ROCKWELL COMPANY/AUTONETICS DIVISION
(ANAHEIM-CA)
DATE: 6812
DESC: Nuclear Weapon Effects materials metals alloys L1 AL NI
U MG TA
DESC: Nuclear Weapon Effects electrical mechanical
non-aircraft engines
non-missile motors L1 GEARHEAD MOTOR
DESC: EXPERIMENTAL
DESC: Nuclear Weapon Effects materials wood paper cellulose
films L1 CORK
EFFT: X-RAY
REPN: POR 5022 ; WT 5022
SHOT: DOUBLE PLAY
TSHO: UG-CONTAINED
SUJO: 3-233-000 ; 3-243-000 ; 3-246-000
TEMP: 61660
TITL: RADIATION EFFECTS ON MATERIALS, OPERATION FLINT LOCK,
SHOT DOUBLE
PLAY, PROJECT OFFICERS REPORT-PROJECT 8.06 (U), 46 P
(SRD)

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POR 5022

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INUM: POR 6105
ADNO: 393206L
AUTH: KINCH J.W. ; MCNEILLY J.H.
CLSS: CRD
CORP: ARMY/NUCLEAR DEFENSE LABORATORY (EDGEWOOD
ARSENAL-MARYLAND)
DATE: 6810
DESC: KIWI REACTOR ; EXPERIMENTAL
DESC: Simulation Facilities Techniques nuclear radiation
reactors isotopic
sources
DESC: Radiation Transport neutron
DESC: test instruments nuclear radiation neutron
REPN: POR 6105 ; WT 6105

SUJO: 4-241-000 ; 4-342-000 ; 9-650-000
TEMP: 59959
TITL: NEUTRON SPECTRUM AS A FUNCTION OF TIME, OPERATION ROVER,
KIWI-TNT
EXPERIMENT, PROJECT OFFICERS REPORT PROJECT 2.2B, FINAL
REPORT (U),
129 P (CRD)

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POR 6105

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INUM: POR 6505
ADNO: 395106L
AUTH: HEIL J.G.
CLSS: SRD 1
CONN: AF 04 (694) 473
CORP: GENERAL ELECTRIC COMPANY/REENTRY SYSTEMS
(PHILADELPHIA-PA)
DATE: 6812

DESC: Nuclear Test Simulation Field Programs experiment design
electrical

electronic cable noise instrumentation links

DESC: Nuclear Weapon Effects electronic subsystems analysis
circuit

network

DESC: Nuclear Test Simulation Field Programs experiment design
aerospace

systems

DESC: EXPERIMENTAL

EFFT: TREE ; NUCLEAR RADIATION ; NEUTRON ; GAMMA

REPN: POR 6505 ; WT 6505

SHOT: NEW POINT

TSHO: UG-CONTAINED

SUJO: 3-219-000 ; 4-829-100 ; 4-829-500

SYST: MARK 12

TEMP: 65307

TITL: EVALUATION OF MARK 12 RE-ENTRY VEHICLE ARMING AND FUZING
SYSTEM

COMPONENTS, OPERATION SILVER BELL, SHOT NEW POINT,
PROJECT OFFICERS

REPORT PROJECT 2.5, FINAL REPORT (U), 164 P (SRD)

TREE: 396

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POR 6505

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INUM: VUF 1037
ADNO: 675837
AUTH: ARMSTRONG R.H. ; MORRELL J.R.
CLSS: U
CORP: REYNOLDS ELECTRICAL AND ENGINEERING INCORPORATED
(MERCURY-NV)
DATE: 6810
DESC: Environmental Conditions at Nuclear Weapon Test Site
weather
DESC: Nuclear Weapon Test safety
DESC: EXPERIMENTAL
REPN: VUF 1037
SHOT: STERLING ; DRIBBLE
TSHO: UG-CONTAINED
SUJO: 4-841-000 ; 4-856-000
TITL: WEATHER AND SURFACE RADIATION PREDICTION ACTIVITIES,
VELA UNIFORM
PROGRAM STERLING EVENT (U), 26 P (U)

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VUF 1037

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INUM: VUF 3025
AUTH: SISEMORE C.J. ; ROGERS L.A. ; PERRETT W.R.
CLSS: U
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA.) ; SANDIA LABS.
(ALBUQUERQUE, N.M.)
DATE: 6710
DESC: VELA UNIFORM
DESC: Nuclear Weapon Environment Ground Shock impact pressure
stress L1
DESC: Nuclear Weapon Environment Ground Shock motion strain
fracture
displacement particle velocity L1
DESC: nuclear test detection seismic detection L1
REPN: VUF 3025
SHOT: STERLING
TSHO: UG-CONTAINED
SUJO: 2-621-000 ; 2-623-000 ; 4-910-100
TITL: SUBSURFACE PHENOMENOLOGY MEASUREMENTS NEAR A DECOUPLED
NUCLEAR
EVENT; PROJECT STERLING (U), 32 P., (U)

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VUF 3025

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INUM: VUF 3026
ADNO: 832814L
AUTH: SPRINGER D. ; DENNY M. ; HEALY J. ; MICKEY W.
CLSS: U
CORP: LAWRENCE RADIATION LAB. (LIVERMORE, CA) ; US GEOLOGICAL
SURVEY (MENLO PARK, CA) ; US COAST AND GEODETIC SURVEY
(ROCKVILLE, MD)
DATE: 6710
DESC: THEORY EXPERIMENTAL
DESC: nuclear test detection seismic detection L1
DESC: Nuclear Weapon Environment Ground Shock seismic
measurements L1
REPN: VUF 3026
SHOT: SALMON ; STERLING
TSHO: UG-CONTAINED
SUJO: 2-620-300 ; 4-910-100
TITL: STERLING EXPERIMENT: DECOUPLING OF SEISMIC WAVES BY A
SHOT-GENERATED CAVITY; VELA UNIFORMA PROGRAM (U), 20 P., (U)

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VUF 3026

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INUM: WT 1512
ABS: Plutonium contamination is possible when certain weapons
are subjected to nonnuclear destruction. Procedures for
monitoring, control, and decontamination of plutonium from land and
hard-surface areas are described. The most effective means of
land-surface decontamination are listed in order of decreasing
efficiency as follows: plowing; oiling and scraping; leaching with 0.3
inch of water and scraping; leaching with 0.3 inch of water; and
leaching with 0.3 inch of water-alconox solution. Efficiencies
were generally above 86 percent. The most effective means of
hard-surface decontamination are listed in decreasing order of
efficiency as

follows: sand-blasting; water-detergent scrubbing; water-detergent hosing; water hosing; water scrubbing; steam cleaning; and vacuuming. Efficiencies were all above 66 percent, with the majority above 95 percent.

ABS: Hard-surface areas included concrete, asphalt, plate steel, aluminum, galvanized roofing, tarpaper roofing, painted wood, unpainted wood, glass, brick, stucco, wood shingles, and asbestos shingles. Flats of grass were also exposed. All vehicles and test equipment used in the contaminated area were readily decontaminated.

Sample calculations of approximate radiological hazards to man were made for the shot configuration and meteorological conditions peculiar to the test group 57 experiment. First, provisional estimates of the acute exposure (from cloud passage) 675 feet from Ground Zero were that an initial lung burden about three times the maximum permissible level would have resulted, but that integrated lung dose would approach continuous irradiation at the maximum level after about 105 days and thereafter would be lower.

ABS: Second, similar rough estimates were made for exposures of personnel entering the contaminated area after the shot. With entrance delayed 3 or more hours after detonation and the assurance of no resuspension forces beyond reasonable winds, a human could remain for an unlimited time in areas contaminated as heavily as 5000 microgram/m². Since this represents a special set of circumstances, decontamination certainly to <1000 microgram/m² is recommended for any real accident area. For complete rehabilitation, much more complete decontamination would be needed.

ADNO: 810310

AUTH: DICK J.L. ; BAKER T.P. JR.

CLSS: OUC

CORP: AIR FORCE/WEAPONS LABORATORY (KIRTLAND AIR FORCE BASE-NEW MEXICO)

DATE: 6703

DESC: Nuclear weapon safety radiological
 DESC: EXPERIMENTAL
 REPN: WT 1512
 TSHO: SURFACE
 SUJO: 4-838-100
 TITL: MONITORING AND DECONTAMINATION TECHNIQUES FOR PLUTONIUM
 FALLOUT ON
 PROGRAM 73
 LARGE-AREA SURFACES, OPERATION PLUMBBOB-TEST GROUP 57,
 (U), 61 P (OUO)
 TNFF: 8859 ; 6220
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 WT 1512
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 INUM: WT 5012
 ADNO: 384782L
 AUTH: SCHWARTZ E.G.
 CLSS: SRD
 CORP: NORTHROP/NORTRONICS (NEWBURY PARK-CALIFORNIA) ;
 ARMY/BALLISTIC
 RESEARCH LABORATORIES (ABERDEEN PROVING GROUND-MARYLAND)
 DATE: 6710
 DESC: test instruments hardened instruments
 DESC: EXPERIMENTAL
 DESC: Nuclear Test Simulation Field Programs experiment design
 electrical
 electronic cable noise instrumentation links
 DESC: Nuclear Weapon Environment Initial Gamma source strength
 total
 intensity
 DESC: Nuclear Weapon Environment Prompt Neutron dose rate
 pulse width
 DESC: Nuclear Weapon Environment Prompt Neutron source
 strength total
 fluence
 DESC: test instruments test hardware pressure stress
 DESC: Nuclear Weapon Environment Initial Gamma dose rate pulse
 width
 REPN: WT 5012 ; POR 5012
 SHOT: DILUTED WATERS
 TSHO: UG-CONTAINED ; LOW-ALT ; HI-ALT
 SUJO: 1-110-000 ; 1-140-000 ; 1-710-000 ; 1-740-000 ;
 4-311-000 ;
 4-360-000 ; 4-829-500
 TEMP: 55932
 TITL: VULNERABILITY OF NUCLEAR EFFECTS INSTRUMENTATION TO
 NUCLEAR
 RADIATION, OPERATION SILVER BELL, SHOT DILUTED WATERS,

PROJECT

OFFICERS REPORT, PROJECT 2.13 (U), 211 P (SRD)

TREE: 364

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WT 5012

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created: 12/27/1991 type: REPORT permanent

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